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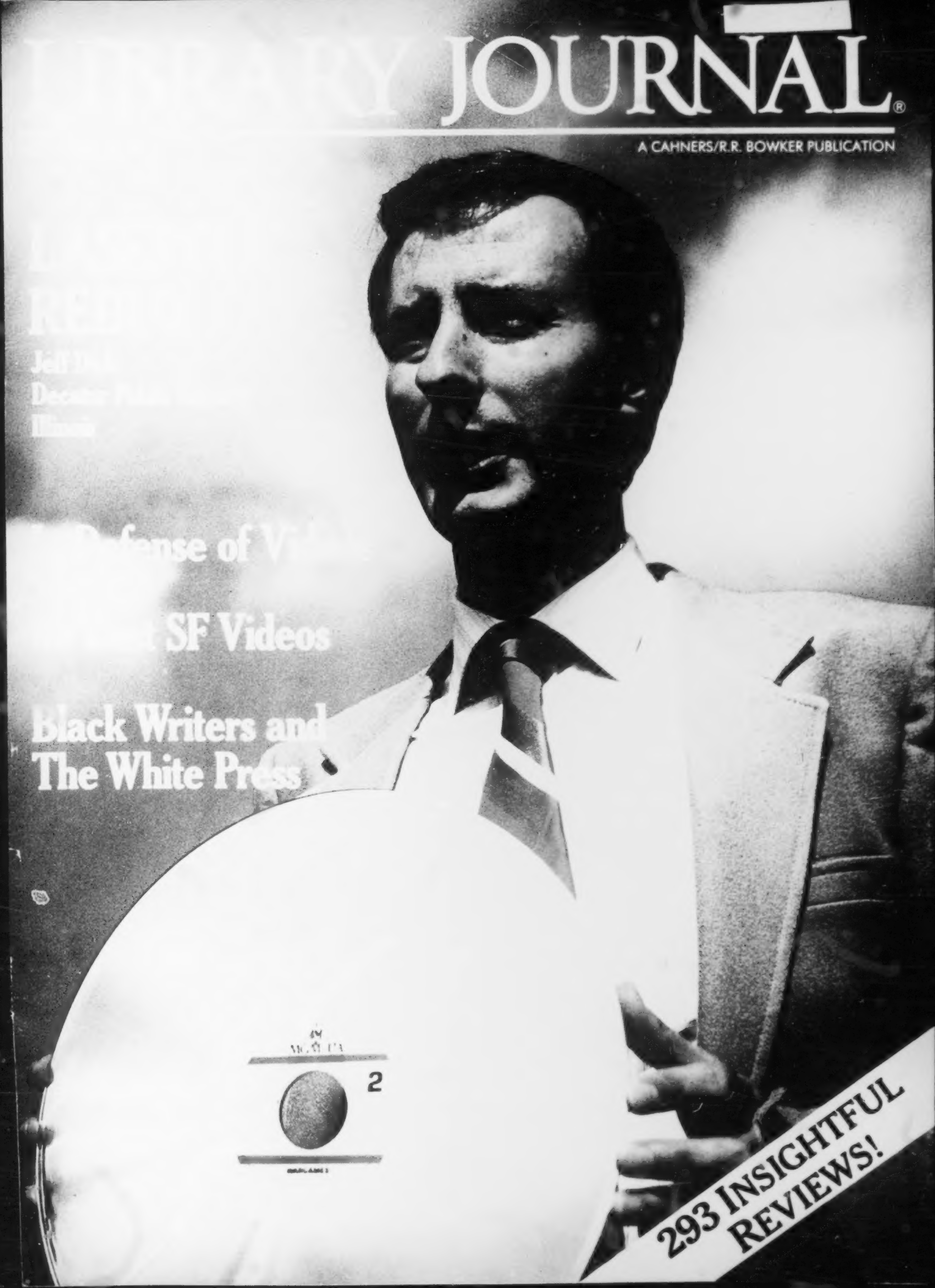

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Jeff [illegible]

Decatur [illegible]

Illinois

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LIBRARY

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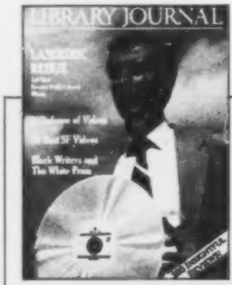

The Decatur Public Library in Illinois has a collection of 20 laserdiscs. Decatur's Jeff Dick tells where the format is heading and how to meet it in "Laserdisc Redux" on page 36.

PHOTOGRAPH BY GARY SIGMAN/BLACK STAR

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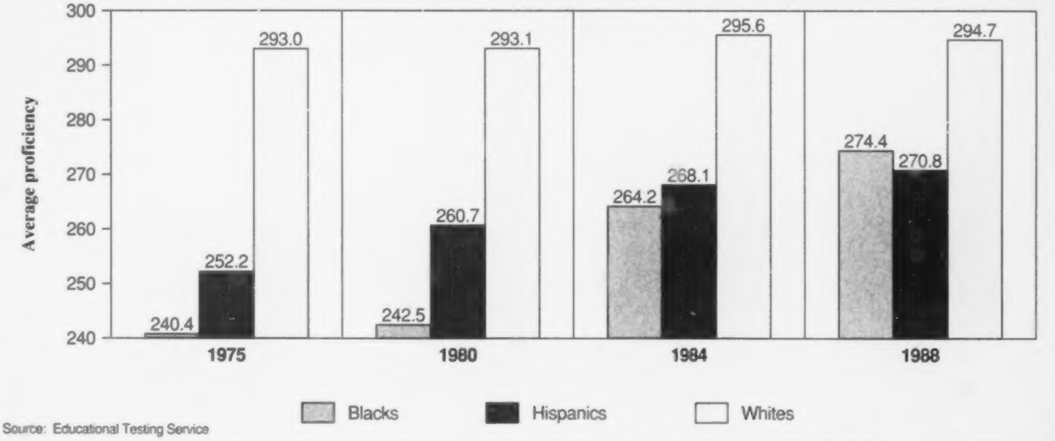
□LIBRARY MARKET OUTLOOK□

BY DEBORAH SELSKY

The Nation's Reading Report Card

For those who worry that the nation's future adults may not be readers, there is some good news. According to the Reading Report Card for 1971–1988, a study by the Educational Testing Service (ETS), the level of reading proficiency among nine-, 13-, and 17-year-old students has remained steady in the past decade. The percentage of students who read for fun also remains strong. Only one-tenth of students in all age groups claim they never read for fun. About ten percent to 18 percent of the students in these age groups never or rarely engage in reading-related activities (including spending their own money on books, borrowing books from the library, or recommending a good book to a friend).

Average Reading Proficiency of 17-Year-Olds
(by race/ethnicity)



Source: Educational Testing Service

The one dramatic change in reading proficiency across all age groups has been among black and Hispanic students. Based on a scale of 0 to 500, average proficiency levels increased from 242.5 in 1980 to 274.4 in 1988 for black 17-year-olds and from 260.7 to 270.8 for Hispanic 17-year-olds. (It should be noted, however, that Hispanic students were tested in English only.) While this represents substantial gains, there is still a great deal of disparity between reading proficiency of these minority groups and white 17-year-olds, who averaged 294.7 in 1988.

Reading more means reading better

The relationship between reading and reading proficiency remains strong. The average proficiency level of 17-year-old students who read daily (301.8) is higher than those who read only yearly or monthly (273.2).

Students who regularly read books, magazines, and newspapers often display the highest reading proficiency. Correspondingly, students with the highest reading proficiency are the most active readers. While impossible to determine the cause and effect between reading and reading proficiency, it is important to recognize and, thus, promote this relationship. In order to further improve reading proficiency levels, it is essential for parents, teachers, and librarians to continue to encourage healthy reading habits from an early age.

Home court advantages

The level of a young student's reading proficiency varies significantly by sex, race/ethnicity, level of parental education, number of reading materials in the home, and hours of TV watched per day. The one common denominator among these relationships is the amount a student is exposed to reading and reading materials in the home and in school. The highest reading proficiency levels are among students who are white, whose parents have some college education, who are exposed to at least four types of reading materials at home, and who watch less than two hours of TV per day.

Amount of reading and, therefore, level of proficiency attained are greatly affected by the exposure to reading materials in the home and the amount of reading done by other members of the household. Specifically, average proficiency increases across all age groups as the number of types of reading materials in the home increases. Also, average proficiency levels are highest among students who say the people they live with read daily, as opposed to less frequently.

Deborah Selsky is an economist with Cahners Economics, which provides industry analyses and forecasting services for the markets its magazines serve

☐ CALENDAR ☐

Canada Online IV, Federal Pre-White House Conference on Library and Information Services, Amigos Bibliographic Council, Inc. Workshop

NOVEMBER

19—The New York Metropolitan Area Chapter of the Association of Jewish Libraries Cataloging Workshop, YIVO Institute for Jewish Research, New York. Theme: "Hebrew/English Cataloging in an On-line Environment." Guest speakers: Naomi Steinberger, Jewish Theological Seminary; Aviva Astrinsky and Ruth Ronen, Annenberg Research Institute; Dr. Bella Hass Weinberg, YIVO. Contact: Rita Lifton; 212-678-8092; FAX 212-678-8998.

26-28—Canada Online IV, Royal York Hotel, Toronto. Theme: "Towards 2000: Challenges and Opportunities." Guest speaker: Reva Basch. Fee: $575. Contact: Conference Coordinator, Canada Online Limited, 38 Fulton Ave., Toronto, Ontario M4K 1X5; 416-467-0388; FAX 416-423-1487.

26-27—Federal Pre-White House Conference on Library and Information Services, National Library of Medicine, Lister Hill Auditorium, Bethesda, Md. Planned by the Federal Library/Information Center Advisory Group (FLAG), under the auspices of the Federal Library and Information Center Committee. Participants will develop recommendations for the upcoming national conference on three core issues: access policies, networking, and preservation, promoting the federal sector umbrella resolution of "citizen access to federal information resources through federal agency information organizations." Guest speakers: Dr. Fred B. Wood, senior associate, Office of Technology Assessment/Access; Dr. Allen Fusonie, head of special collections, National Agricultural Library/Preservation; Dr. Neal K. Kaske, senior associate, U.S. Dept. of Education, Office of Library Programs/Networking. Contact: FLICC, Library of Congress, Adams Bldg., Washington, DC 20540; 202-707-6055.

29-30—AMIGOS Bibliographic Council, Inc. Workshop, Holiday Inn Crowne Plaza, Dallas. Theme: "The Reality of Collection Evaluation: Facts, Myths and Practices." Guest speakers: George Soete, associate university librarian for collections, University of California, San Diego; Bonnie MacEwan, fine arts librarian, University of Missouri–Columbia; and Mary Bushing, collection development officer, Montana State University. Fee: $155, members; $230, nonmembers; hotel and meals not included. Contact: Geri Hutchins, Library Liaison Officer, AMIGOS, 11300 N. Central Expwy., Suite 321, Dallas, TX 75243; 214-750-6130; 800-843-8482.

30—New Jersey Library Association, Audiovisual Section, Monmouth County Library HQ. Theme: "Film and Video Basics." Contact: Quentin Van Buren, Monmouth County Library, 125 Symmes Dr., Manalapan, NJ 07726; 201-290-1900.

DECEMBER

4-8—Southeastern Library Association/Tennessee Library Association Joint Conference, Opryland Hotel, Nashville. Theme: "Southeastern Harmony: Libraries in Tune for the Future." Contact: James E. Ward, Box 4146, David Lipscomb University, Nashville, TN 37204-3951; 615-269-1000, x2283.

1991

JANUARY

10-12—HBW Associates' Library Furniture, Fixtures and Equipment Workshop, Holiday Inn Mart Plaza, Chicago. A workshop that provides start-to-finish information on preparing to furnish and equip various new or remodeled library facilities. Fee: $195. Contact: HBW Associates, Inc., PO Box 191487, Dallas, TX 75219-1487; 214-559-4291; FAX 214-559-3389.

NATIONAL/ INTERNATIONAL

American Assn. of Law Libraries: New Orleans, Jul. 21–24, 1991.

American LA: Atlanta, Jun. 29–Jul. 4, 1991; **Midwinter:** Chicago, Jan. 12–17, 1991.

Assn. of College and Research Libraries: Phoenix, Apr. 1–4, 1992.

Canadian LA: Montreal, Jun. 2–5, 1991.

Guadalajara Intl. Book Fair: Guadalajara, Mexico, Nov. 24–Dec. 2.

Library and Information Technology Assn.: Denver, Sept. 13–17, 1992.

Medical LA: San Francisco, May 31–Jun. 6, 1991.

Music LA: Indianapolis, Feb. 13–16, 1991.

Natl. Library Week: Apr. 14–20, 1991.

Pan Pacific Library Conference: Honolulu, Jan. 9–11, 1991.

Public LA: San Diego, Mar. 20–23, 1991.

Special LA: San Antonio, Tex., Jun. 8–13, 1991.

White House Conference on Library and Info Svcs.: Washington, D.C., Jul. 9–13, 1991.

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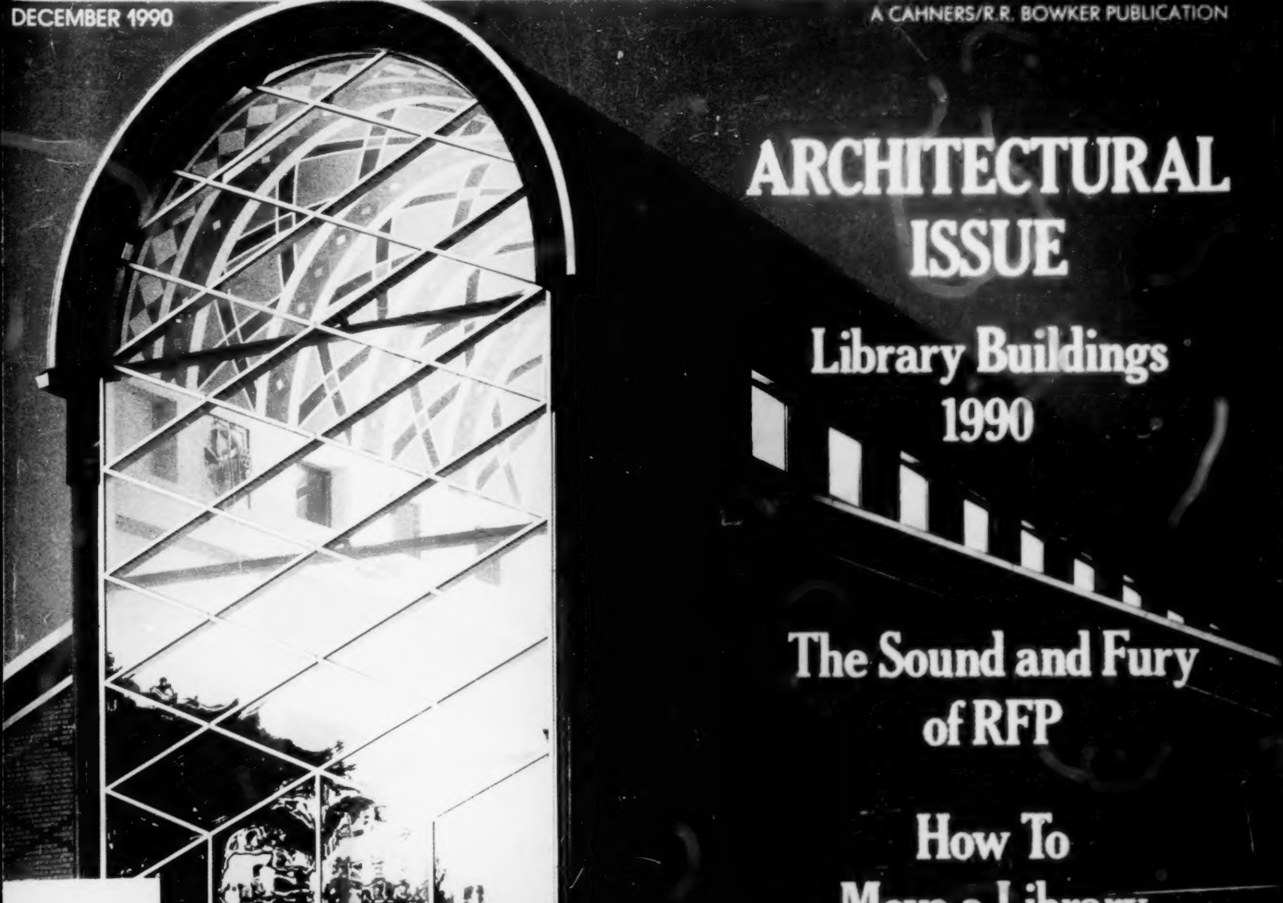

ARCHITECTURAL ISSUE

Library Buildings 1990

The Sound and Fury of RFP

How To Move a Library

La Grange Park
Public Library
Illinois

ALA MIDWINTER PREVIEW

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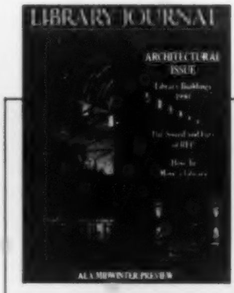

The cornerstone of this year's architectural issue is the magnificent new La Grange Park Public Library in Illinois, by Frye, Gillan, Molinaro Architects of Chicago. The rest of the 1990 construction story begins on page 56.

PHOTOGRAPH © GEORGE LAMBROS PHOTOGRAPHY

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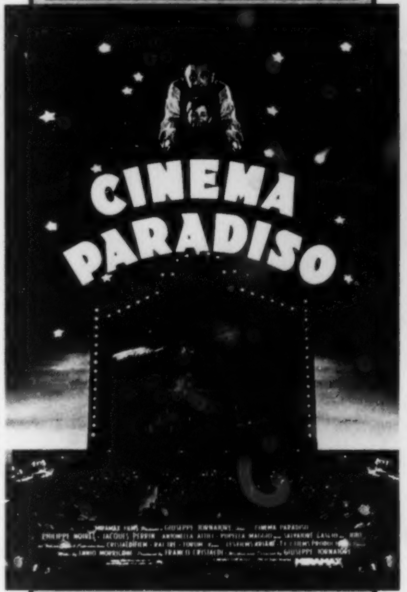

A fine director's tribute to the magic of movies, using a small Italian cinema as the focus of village life. We follow the exploits of a projectionist's assistant from his boyhood to an adulthood that outlasts the cinema itself. In two versions: Italian with yellow English subtitles or dubbed.

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☐LIBRARY MARKET OUTLOOK☐

BY DEBORAH SELSKY

State Spending on Libraries Lags Behind Other Services

Recently released government data show that state spending increased 8.3 percent last year to $525 billion. By far the largest amount of state budgets was spent on education (36.9 percent). An additional 19.8 percent was spent on public welfare, 9.1 percent on highways, and 8.2 percent on health and hospitals. These four activities accounted for more than two-thirds of state government expenditures.

The large spending boost by the states was supported by an 8.2 percent increase in revenue collected through taxes and intergovernmental receipts. States have had to rely more heavily on income from taxes than on transfers from the federal government. Revenue from the federal government increased only 3.3 percent per year, on average, over the past five years.

Growth in state library spending (including expenditures for state library facilities and services and aid to local library services) did not keep pace with total spending. In 1989, states spent $660 million on libraries—6.0 percent more than the year before. Meanwhile, other state-funded programs, such as public welfare, health and hospitals, and prisons, grew at a double-digit pace last year.

Regional variations developing

In 1988, state library spending increased 6.3 percent on the average nationwide. Regional growth variation was slight, ranging from 7.7 percent in the South to 5.0 percent in the Northeast. The New England, West North Central, and South Atlantic states showed greater-than-average growth.

Last year, however, library spending varied a great deal, as regional economies performed very differently. In the Northeast, library spending was flat, growing 0.8 percent last year. The New England states decreased spending by 2.9 percent, while the Middle Atlantic states increased library spending a slight 2.1 percent. Still, per capita spending in the Northeast remains the highest at $3.89.

Library spending growth in the Midwest was above average at 9.5 percent. States in the East North Central region saw a 9.8 percent rise, while those in the West North Central region saw an 8.3 percent gain. State per capita spending in the Midwest increased from $2.23 in 1988 to $2.43 in 1989.

Alabama sees greatest growth

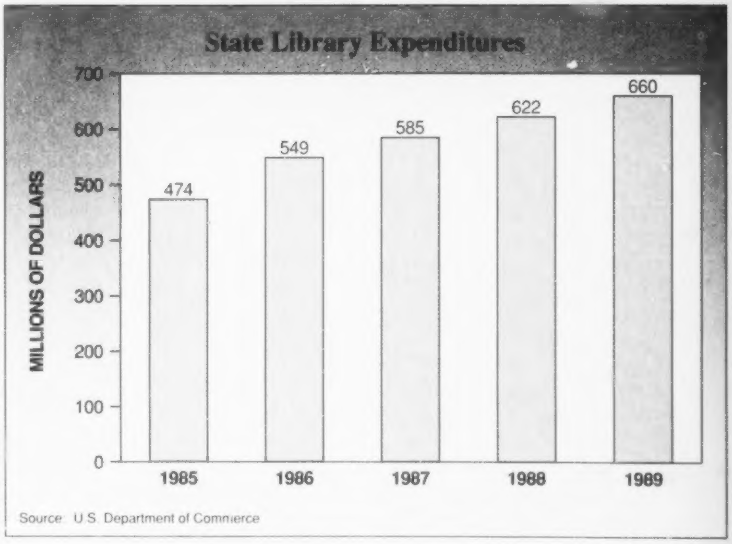
In the South, library spending grew 5.9 percent last year. State spending in this region was quite varied, with a 13.6 percent boost in the East South Central, a 4.0 percent gain in the South Atlantic, and a 4.2 percent increase in the West South Central. The state that saw the greatest increase was Alabama at 35 percent; per capita library spending rose from $1.62 in 1988 to $2.18 last year.

The West saw the greatest performance in state library spending overall. Library expenditures soared 11.2 percent last year, nearly twice the national average, and higher than the total state spending growth of 8.7 percent. In the Mountain states, library spending grew 11.7 percent. In the Pacific states, spending increased 11.0 percent.

On a per capita basis, states spent $2.66 on libraries last year, up from $2.54 in 1988. For individual states, Hawaii and Alaska remain the top two in per capita spending with $17.53 and $12.45, respectively.

Per Capita Library Expenditures
Top Ten States—1989

Hawaii	$17.53
Alaska	12.45
Rhode Island	5.90
Maryland	5.45
Nevada	5.23
New York	5.07
Illinois	5.04
West Virginia	4.66
Vermont	4.55
Wyoming	4.33



Source: U.S. Department of Commerce

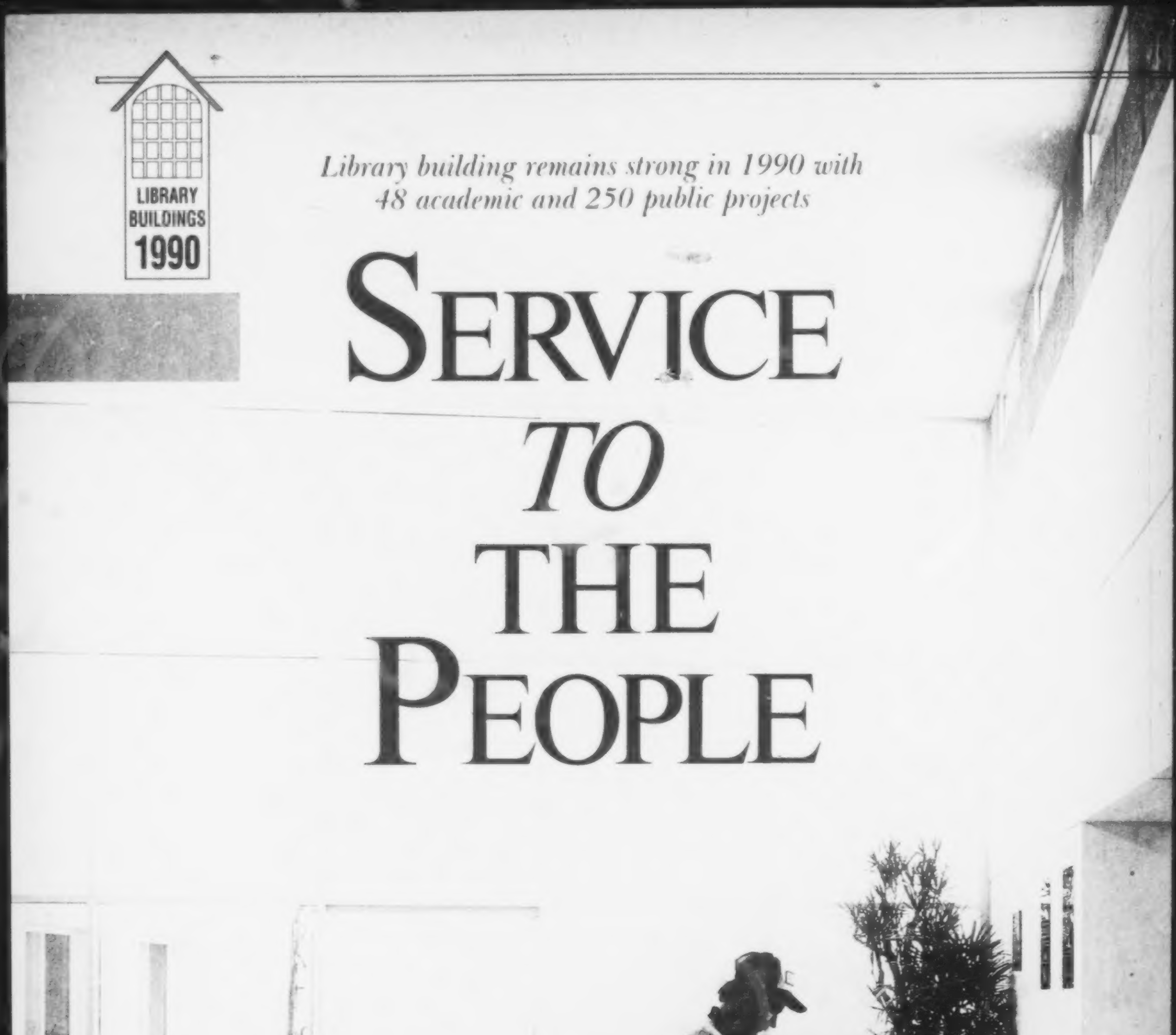
ANNABELLE CARTER

Deborah Selsky is an economist with Cahners Economics, which provides industry analyses and forecasting services for the markets its magazines serve

LIBRARY
BUILDINGS
1990

Library building remains strong in 1990 with 48 academic and 250 public projects

SERVICE *TO* THE PEOPLE



Service has found its way to the people of Las Vegas with the completion of the ultramodern Las Vegas Public Library complex

TIMOTHY HURSLEY

By Bette-Lee Fox with Michael Rogers, Ann Burns, & Keith R.A. DeCandido

LIBRARY construction in the United States is at a level matched only once since 1980. This year's new and innovative construction concepts allow libraries to serve their users better than ever, truly bringing the library and its community together.

As *LJ* continues to dramatize the history of library construction, significant figures constantly rise to the surface. First, between July 1, 1989 and June 30, 1990, 250 public library projects were completed—127 new buildings and 123 additions and renovations—in 44 states. The number of new projects is the highest in more than a decade.

Forty-eight academic projects (20 percent more than in 1989) were completed during this period. The largest new library is the Snell Library of Northeastern University in Boston. The 240,000 square foot library, designed by The Architects Collaborative of Cambridge, cost $34 million. The largest addition and renovation project, the Peter J. Shields Library at the University of California–Davis, cost $30.9 million.

Though many large public projects were completed this year (e.g., the $13 million Las Vegas Library and Lied Discovery Children's Museum), libraries seem to be following the principle of "more for less." Fifteen more projects were completed in 1990 than in 1989, yet take up 73,000 less square feet. But more projects, even small ones, mean more library service to local communities.

Nowhere is this more evident than in Atlanta, where six projects are prefabricated buildings from Porta-Structures of Maryland that were established in public housing projects. And more libraries are trying to bring service to their patrons in the form of "bookstore" libraries in malls and shopping centers.

Funding remained constant during the past year, with local funding at 71 percent of total funding. Many libraries tried getting community residents involved in projects by having them donate their time and labor as well as their money. Several projects were completed using gift funds and volunteer labor exclusively. As service comes to the people, the people are coming out in force to serve the library.

Finally, 833 libraries in some stage of proposal or construction are "Still To Come" (p. 74). We look forward to bringing these projects to light in future installments of *LJ*'s Architectural Issue.

Bette-Lee Fox is Managing Editor; Michael Rogers is Assistant News Editor; Ann Burns is Staff Editor; and Keith R.A. DeCandido is Assistant Editor/Keyboard, *LJ*

ACADEMIC

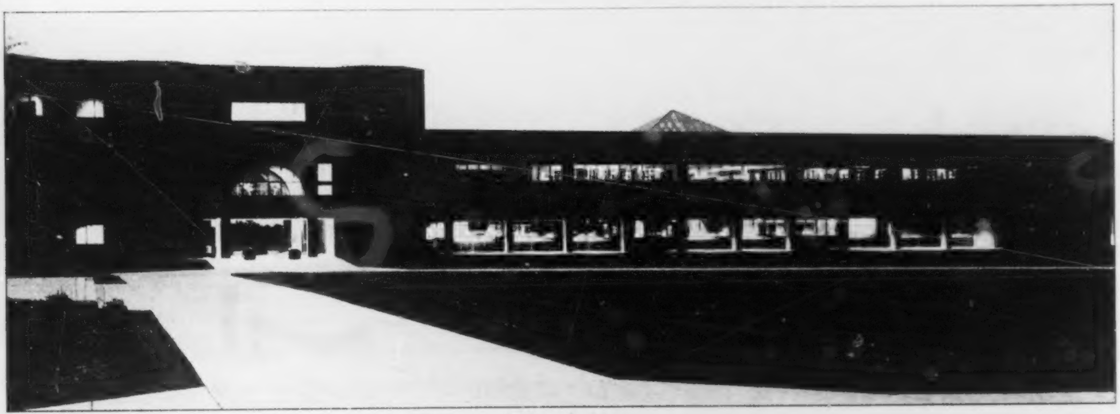
MICHAEL MATHERS

Univ. of Alaska Southeast, Juneau

Natural Resources, North Carolina State, Raleigh

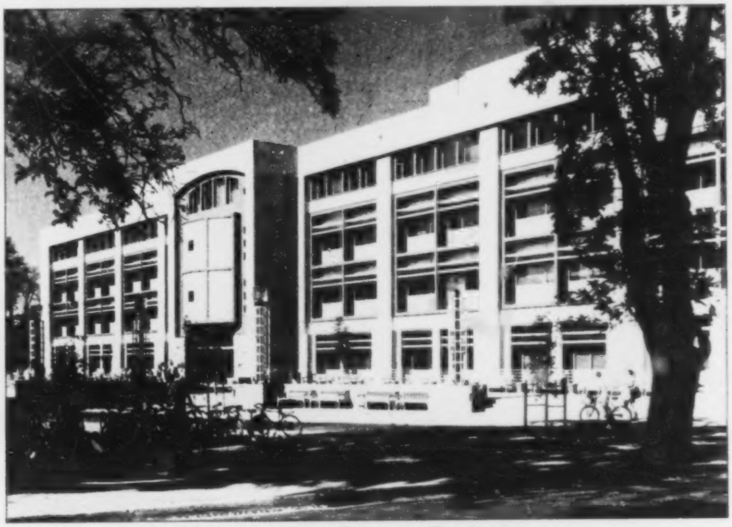
New Buildings

Name of Institution	Project Cost	Gross Area	Sq. Ft. Cost	Construction Cost	Equipment Cost	Book Capacity	Seating Capacity	Architect
Northeastern University, Boston	$34,000,000	240,000	$100.42	$24,100,000	$3,700,000	1,500,000	2,800	Architects Collaborative
Southwest Texas State University, San Marcos	31,145,556	313,581	92.24	28,924,316	2,210,000	1,500,000	4,000	Graeber, Simmons & Cowan
Anschutz Science Library, University of Kansas, Lawrence	13,900,000	91,000	130.22	11,850,000	2,050,000	1,000,000	800	Peckham Guyton . . .
Library & Biomedical Communications Center, Washington Univ. School of Medicine, St. Louis	13,794,000	114,055	108.66	12,394,000	1,400,000	420,000	569	Harry Richman; Murphy Downey
Augustana College, Rock Island, Ill.	12,000,000	85,140	118.30	10,072,489	850,000	450,000	630	Shepley, Bulfinch . . .
University of Alaska Southeast, Juneau	11,000,000	54,256	149.39	7,888,000	662,000	150,000	230	BOOR-A Architects
William Mitchell College of Law, St. Paul, Minn.	7,500,000	75,900	64.56	4,900,000	800,000	250,000	640	Winsor Faricy Architects
Mills College, Oakland, Cal.	7,200,000	46,600	96.18	4,482,000	976,000	300,000	280	Esherick Homsey . . .
Elizabethtown College, Pa.	6,000,000	54,000	92.59	5,000,000	1,000,000	250,000	450	Shepley, Bulfinch . . .
North Campus Library, California State University, Long Beach	5,853,000	50,162	105.69	5,300,000	553,000	9,990	1,085	Killingsworth, Stricker . . .
Fine Arts & Cartoon, Graphics, Photographic Arts Lib., Ohio State University, Columbus	5,306,100	30,000	147.77	4,433,000	873,100	140,000	130	Trott Eisenman
Engineer School Library, Fort Leonard Wood, Mo.	5,183,636	58,937	68.44	4,033,636	1,150,000	217,060	550	Hollis + Miller Group
Science and Engineering Lib., University of Alabama, Tuscaloosa	5,100,000	43,000	81.39	3,500,000	290,000	250,000	284	Evan Terry Assocs.
Internat. Relations & Pacific Studies Lib., University of California, San Diego	2,272,950	15,228	138.81	2,113,810	159,140	54,000	138	Clark•Beck; Kaplan McLaughlin
Hatfield Marine Science Center, Oregon State University, Newport	2,263,412	22,000	90.91	2,000,000	263,412	61,750	190	James Lewis
Reformed Bible College, Grand Rapids, Mich.	2,090,045	11,125	90.62	1,008,158	134,553	70,000	90	Dan Vos Construction
College of the Atlantic, Bar Harbor, Me.	1,500,000	10,000	140.00	1,400,000	100,000	50,000	90	Daniel V. Scully
Nashville State Technical Institute, Tenn.	1,427,852	21,436	41.31	885,626	542,226	50,000	378	David Kline
Galveston College, Tex.	1,410,000	18,000	69.44	1,250,000	160,000	75,000	170	Rapp Partners
Bethel West Theological Seminary, San Diego	1,100,000	12,000	83.33	1,000,000	100,000	120,000	78	Bruce Mosteler
Natural Resources Library, North Carolina State University, Raleigh	490,227	9,100	47.06	428,214	62,013	31,000	90	Jenkins-Peer
Gateway Technical College LRC, Elkhorn, Wisc.	375,000	3,800	84.21	320,000	55,000	7,000	40	Goebel-Balestrieri & Assocs.

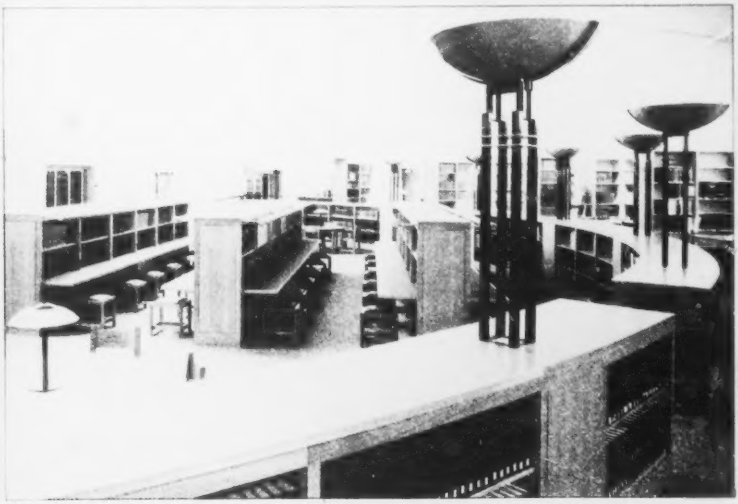


U.S. Army Engineer School Library, Fort Leonard Wood, Mo.

Reed College Lib., Portland, Oreg.



Shields Library, University of California–Davis



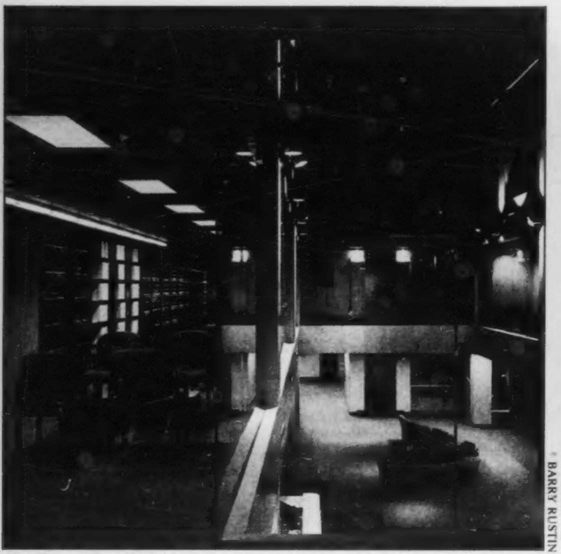
Cushing Whitney Library, Yale University School of Medicine

Nashville State Technical Inst.

High Library, Elizabethtown College, Pa.

Additions and Renovations

Name of Institution	Status	Project Cost	Gross Area	Sq.Ft. Cost	Construction Cost	Equipment Cost	Book Capacity	Seating Capacity	Architect
University of California, Davis	Total	$30,932,000	388,976	$72.72	$28,289,000	$1,524,000	1,348,000	3,403	Simon, Martin-Vegue . . .
	New	20,377,000	184,226	99.87	18,399,000	749,552	545,185	1,230	
	Renovated	10,555,000	204,750	48.30	9,890,000	774,448	802,815	2,173	
Harvey Cushing/John Hay Whitney Library, Yale University School of Medicine	Total	11,215,000	85,730	94.86	8,132,200	753,038	560,682	370	A. Purves; A. Dehar Assocs.
	New	n/a	35,130	138.88	4,879,126	n/a	190,127	183	
	Renovated	n/a	50,600	64.29	3,253,074	n/a	370,555	187	
Peabody Institute, Johns Hopkins University	Total	7,50[illegible],000	63,000	116.67	7,350,000	152,000	150,000	100	Richter Cornbrooks Gribble
	New	n/a	56,700	n/a	n/a	n/a	n/a	n/a	
	Renovated	n/a	6,300	n/a	n/a	n/a	n/a	n/a	
Reed College, Portland, Oreg.	Total	7,490,000	52,000	118.47	6,160,454	143,000	54,000	115	Zimmer Gunsul Frasca
	New	n/a	42,000	n/a	n/a	n/a	n/a	n/a	
	Renovated	n/a	10,000	n/a	n/a	n/a	n/a	n/a	
University of Missouri, St. Louis	Total	6,200,000	146,500	38.91	5,700,000	n/a	700,000	1,326	Ittner & Bowersox
	New	n/a	46,500	n/a	n/a	n/a	200,000	350	
	Renovated	n/a	100,000	n/a	n/a	n/a	500,000	976	
Bradley University, Peoria, Ill.	Total	5,400,000	111,275	42.24	470,000	702,017	500,000	1,100	Phillips Swager Assocs.
	New	n/a	55,285	65.12	3,60,000	n/a	200,000	550	
	Renovated	n/a	55,990	19.65	1,100,000	n/a	300,000	550	
Marymount University, Arlington, Va.	Total	4,164,431	56,473	71.44	4,034,431	130,000	n/a	n/a	Pierce Architecture
	New	n/a	32,803	n/a	n/a	120,000	200,000	320	
	Renovated	n/a	23,670	n/a	n/a	10,000	n/a	n/a	
Monterey Institute of International Studies, Cal.	Total	1,300,000	15,000	82.33	1,235,000	65,000	75,000	162	Jacoubowksy, Hawkins . . .
	New	1,000,000	5,000	200.00	1,000,000	35,000	50,000	78	
	Renovated	300,000	10,000	23.50	235,000	30,000	25,000	84	
School of Hygiene and Public Health, Johns Hopkins University	Total	657,000	7,029	67.08	471,541	100,703	n/a	n/a	Verkerke Boyles Linehan
	New	212,000	1,771	90.00	159,390	26,183	35,000	80	
	Renovated	445,000	5,258	59.38	312,151	74,520	n/a	n/a	



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Cullom-Davis Lib., Bradley University, Peoria, Ill.

Friedheim Lib., Peabody Institute, Johns Hopkins

Additions Only

Name of Institution	Project Cost	Gross Area	Sq. Ft. Cost	Construction Cost	Equipment Cost	Book Capacity	Seating Capacity	Architect
University of Maryland at College Park	$15,267,000	150,897	$90.77	$13,697,000	$1,570,000	912,000	820	McLeod/Farrara; NCP Inc.
University of Wisconsin–Madison	14,990,000	123,185	83.54	10,291,400	306,600	2,342,844	268	Strang, Inc.
California State University, Stanislaus[1]	6,877,000	59,957	99.60	5,972,000	905,000	230,000	262	Reid & Tarics
Missouri Western State College LRC, St. Joseph	2,650,000	30,000	80.00	2,400,000	250,000	210,000	460	Ellison & Auxier

[1] Library comprises 48 percent of multipurpose addition project.

Renovations Only

Name of Institution	Project Cost	Gross Area	Sq.Ft. Cost	Construction Cost	Equipment Cost	Book Capacity	Seating Capacity	Architect
Becker College, Worcester, Mass.	$1,400,000	20,000	$65.00	$1,300,000	$100,000	40,000	120	Lamoureux, Pagano
Susquehanna University, Selinsgrove, Pa.	1,260,000	44,316	n/a	n/a	n/a	n/a	400	Spillman Farmer . . .
Youngstown State University, Ohio	1,000,000	109,500	6.67	730,900	269,100	n/a	n/a	James Olsavsky
Geology/Physics Library, University of Cincinnati	752,000	20,716	20.54	425,500	326,500	125,000	132	Univ. of Cincinnati
Earlham College, Richmond, Ind.	370,273	5,200	62.17	323,322	46,951	0	0	Baxter, Hodell . . .
Library of Medicine, Medical College of Pennsylvania, Philadelphia	225,000	480	117.92	56,600	168,400	0	21	MCP Facilities Planning
Boston College, Chestnut Hill, Mass.	214,393	8,875	20.41	181,195	33,198	n/a	96	Architects Collaborative
Music Library & Listening Center,[1] Miami University, Oxford, Ohio	116,948	2,146	14.53	31,179	85,769	13,000	46	none
Library East, University of Florida, Gainesville	98,891	14,820	0	0	98,891	n/a	n/a	none
Library West, University of Florida, Gainesville	70,552	3,842	0	0	70,552	n/a	n/a	none
Fort Hays State University, Kans.	49,442	4,367	11.32	49,442	0	19,825	40	Eric King
Business Information Center, Palm Beach Atlantic College, West Palm Beach, Fla.	n/a	1,800	n/a	n/a	n/a	9,500	25	none
California School of Professional Psychology, Fresno	16,500	500	12.74	6,371	10,129	1,100	24	none

[1] Volumes are recordings and reader seats are listening stations.

LIBRARY BUILDINGS 1990

PUBLIC

JOHN LARSON

Everett Public Library, Wash.

New Buildings

Community	Pop. in M	Code	Project Cost	Const. Cost	Gross Sq. Ft.	Sq.Ft. Cost	Equip. Cost	Site Cost	Other Costs	Volumes	Reader Seats	Federal Funds	State Funds	Local Funds	Gift Funds	Architect
ALABAMA																
Gardendale	12	M	$625,956	$448,342	7,730	$58.00	$71,791	$50,000	$55,823	60,000	72	$241,600	0	$346,563	$37,793	Terry Assocs.
Heflin	152	S	101,243	61,243	1,800	34.02	0	40,000	0	75,000	0	0	0	61,243	40,000	Andre Boullemet
LaFayette[1]	4	B	135,101	109,144	1,878	58.12	17,957	Owned	8,000	6,500	42	0	63,600	10,000	61,501	Woodham & Sharpe
ARIZONA																
Bullhead City[2]	32	B	766,706	655,133	8,158	80.31	44,000	2,500	65,073	40,000	75	300,000	42,000	416,706	8,000	Pat Affholter
Young	1	M	42,000	22,000	2,048	10.74	10,000	10,000	0	12,000	20	0	0	10,000	32,000	none
CALIFORNIA																
Lake Isabella	7	B	870,278	666,870	5,987	111.39	53,249	93,229	56,930	30,000	46	0	0	855,278	15,000	Renfro, Russell & Assocs.
Mecca[3]	7	B	255,000	224,000	3,456	64.81	5,000	Leased	26,000	10,400	20	142,022	0	112,978	0	Miralles & Assocs.
Oceanside	126	M	3,645,658	3,232,000	32,000	101.00	413,658	Owned	0	140,000	175	0	0	3,645,658	0	Charles Moore
Oxnard[4]	27	B	4,740,274	3,108,755	19,788	157.10	196,958	1,199,059	235,502	18,000	31	4,597,640	0	142,634	0	Rasmussen & Assocs.
COLORADO																
Boulder[5]	106	B	517,650	302,000	8,000	37.75	150,650	Leased	65,000	22,000	55	17,650	0	500,000	0	Peter Heinz
Lakewood	60	B	4,626,800	2,352,800	30,000	78.43	545,600	116,700	1,611,700	125,000	248	0	0	4,882,800	5,000	Anderson Mason Dale
CONNECTICUT																
Harwinton[6]	5	M	1,789,003	864,000	6,012	143.71	n/a	Owned	n/a	28,000	39	25,902	287,976	550,125	925,000	Richard Schoenhart
Kensington	16	M	4,408,359	3,828,359	43,246	88.53	250,000	Owned	330,000	100,000	180	0	615,513	3,666,843	126,003	Kaestle Boos
Niantic	15	M	4,482,169	3,581,273	16,000	223.83	n/a	Leased	n/a	93,000	99	0	250,000	4,102,169	130,000	Centerbrook Assocs.
Windsor Locks	13	M	2,319,300	1,696,300	12,600	134.63	220,000	Owned	403,000	55,000	64	0	350,000	1,859,300	110,000	Galliher & Baier
FLORIDA																
Hudson	50	BS	3,218,000	2,282,250	32,640	69.92	450,000	400,000	85,750	120,000	205	0	0	2,818,000	400,000	Fletcher, Valenti . . .
Kissimmee	18	B	1,370,000	800,000	12,000	66.67	350,000	20,000	200,000	75,000	50	0	0	1,350,000	20,000	Rogers, Lovelock, & Fritz
Melbourne	407	B	2,144,851	1,836,247	25,000	73.45	143,604	Owned	165,000	120,000	264	0	0	2,144,851	0	Stottler, Stagg & Assocs.
Naples	29	B	822,239	582,675	6,600	88.28	83,152	100,000	56,412	30,000	82	200,000	0	622,239	0	Educated Design
Pensacola	338	B	653,724	556,361	6,000	92.73	61,673	Owned	35,690	22,500	60	0	200,000	431,724	22,000	Walter J. Smith
Pompano Beach	71	M	418,200	378,500	3,000	126.17	2,700	Owned	37,000	n/a	n/a	155,800	0	259,700	2,700	Miller, Meier . . .
GEORGIA																
Alpharetta	20	B	1,494,087	956,191	10,000	95.62	176,271	249,829	111,796	50,000	68	0	0	1,494,087	0	Anthony Ames
Atlanta[7]	2	B	315,271	313,435	1,600	195.90	n/a	Leased	1,836	11,000	0	0	0	315,271	0	Porta-Structures
Atlanta	2	B	315,271	313,435	1,600	195.90	n/a	Leased	1,836	11,000	0	0	0	315,271	0	Porta-Structures
Atlanta	35	B	3,538,218	2,065,030	20,000	103.25	296,932	908,229	268,027	100,000	124	0	0	3,538,218	0	Scogin, Elam & Bray
Atlanta	2	B	315,271	313,435	1,600	195.90	n/a	Leased	1,836	11,000	0	0	0	315,271	0	Porta-Structures
Atlanta	2	B	315,271	313,435	1,600	195.90	n/a	Leased	1,836	11,000	0	0	0	315,271	0	Porta-Structures
Atlanta	2	B	315,271	313,435	1,600	195.90	n/a	Leased	1,836	11,000	0	0	0	315,271	0	Porta-Structures
Atlanta	35	B	1,667,682	823,789	10,000	82.38	145,581	589,707	108,605	50,000	36	0	0	1,667,682	0	R. Rothman & Assocs.
Atlanta	65	B	3,026,298	1,681,966	20,000	84.10	312,886	785,208	246,238	100,000	142	0	0	3,026,298	0	Sizemore-Floyd
Atlanta	70	B	3,069,100	2,049,731	25,000	81.99	410,342	404,751	204,277	120,000	152	0	1,783,333	1,285,767	0	Stanley, Love-Stanley
Atlanta	15	B	315,271	313,435	1,600	195.90	n/a	Leased	1,836	11,000	0	0	0	315,271	0	Porta-Structures
Chamblee	95	B	2,561,237	1,442,063	17,103	84.32	371,608	637,000	110,566	80,000	107	0	1,555,119	1,004,118	2,000	Tomberlin Assocs.
Conyers	54	MS	3,736,684	2,840,748	39,000	72.84	511,920	Owned	384,016	110,000	166	0	2,246,191	1,490,493	0	Kirkman & Assocs.
Danielsville	25	B	558,700	401,500	7,200	55.76	105,850	Owned	51,350	48,000	42	0	482,762	66,381	35,000	Charles Sides
Lake Park	7	B	625,000	373,800	6,000	62.30	79,646	125,000	46,554	25,000	49	0	450,000	50,000	125,000	Blake Ellis
Marietta	175	MS	8,360,699	5,354,778	64,000	83.67	1,045,150	1,333,990	626,781	200,000	215	0	3,000,000	5,360,699	0	Stevens & Wilkinson
Marietta	55	B	2,156,875	1,345,332	16,000	84.08	256,415	291,977	263,151	74,300	86	0	1,229,047	927,828	0	AECK Assocs.
Marietta	20	B	718,080	550,271	6,143	89.58	103,727	15,000	49,082	25,000	41	0	533,809	169,271	15,000	Wm. Howell & Assocs.
Rome	85	MS	6,440,794	4,538,871	76,000	59.72	832,778	704,090	365,055	500,000	300	0	3,000,000	3,440,046	748	J.W. Buckley & Assocs.
Vinings	30	B	1,383,687	774,378	8,567	90.39	142,806	358,496	108,007	32,000	59	0	672,857	710,830	0	Tomberlin Assocs.
Zebulon	11	B	687,629	490,617	8,394	58.45	103,653	20,000	73,359	36,000	49	0	561,752	0	125,877	Spangler & Manley
ILLINOIS																
La Grange Park	13	M	2,725,225	1,889,194	21,000	89.96	183,478	444,203	208,350	90,000	81	200,000	0	2,521,581	44,672	Lonn Frye
North Chicago	39	M	1,845,635	1,581,195	15,742	100.44	156,696	Owned	107,744	70,000	89	200,000	0	1,645,635	0	R.R.P., Inc.
Olney	9	M	564,560	449,167	10,400	43.19	73,648	Owned	41,745	50,000	70	0	212,000	109,000	243,560	Raibley & Erny

Symbol Code: B—Branch Library; BS—Branch & System Headquarters; M—Main Library; MS—Main & System Headquarters; S—System Headquarters; n/a—not available

DOUGLAS R. GILBERT

Wellfleet Public Library, Mass.

STRODE ECKERT PHOTOGRAPHY

West Linn Community Library, Oreg.

New Buildings (continued)

Community	Pop. in M	Code	Project Cost	Const. Cost	Gross Sq. Ft.	Sq. Ft. Cost	Equip. Cost	Site Cost	Other Costs	Volumes	Reader Seats	Federal Funds	State Funds	Local Funds	Gift Funds	Architect
INDIANA																
Fort Wayne	25	B	$1,358,000	$903,000	13,500	$66.89	$200,000	$135,000	$120,000	60,000	n/a	0	0	$1,358,000	0	Moake Park Assocs.
Fort Wayne	25	B	1,328,000	933,000	11,500	81.13	175,000	100,000	120,000	50,000	n/a	0	0	1,328,000	0	Moake Park Assocs.
Fort Wayne	19	B	568,000	481,000	5,500	87.45	35,000	Owned	52,000	28,000	n/a	0	0	568,000	0	Morrison Kattman
Indianapolis	700	B	1,440,000	1,170,000	11,300	103.54	167,000	45,000	58,000	40,000	66	0	0	1,440,000	0	Cooler Group
IOWA																
Beaman	1	M	94,927	72,392	2,280	31.75	13,797	6,000	2,738	5,389	12	0	0	3,500	101,145	Structural Engineers
LOUISIANA																
Homer	17	BS	675,000	500,000	6,500	76.92	100,000	Owned	75,000	45,000	38	300,000	0	345,000	30,000	J.M. Dougherty
MAINE																
Scarborough	14	M	1,427,579	1,119,931	12,895	86.85	171,897	Owned	135,751	50,400	83	0	0	600,000	827,579	Portland Design Team
MASSACHUSETTS																
Bellingham	14	M	2,232,200	2,070,000	15,600	132.69	52,200	Owned	110,000	80,000	50	252,161	0	2,000,000	0	D. Prout Assocs.
Peabody	49	B	1,580,150	1,300,000	13,078	99.40	70,000	Owned	210,150	60,000	60	0	0	1,600,000	0	Design Partnership
Woods Hole	5–15	M	645,404	528,000	5,222	101.11	43,790	Owned	73,614	25,000	44	0	0	133,340	512,064	Gordon F. Tully
MICHIGAN																
Berrien Springs	12	M	918,755	768,755	11,000	69.89	76,000	Owned	74,000	60,000	50	0	0	960,000	10,000	Borger Jones Leedy
Burr Oak	3	M	190,000	130,000	3,200	40.63	20,000	18,000	22,000	50,000	30	0	50,000	120,000	20,000	none
Fennville	11	M	943,688	762,418	13,763	55.40	18,686	20,000	142,584	100,000	50	95,000	0	122,555	726,133	Allegretti Architects
Imlay City	5	M	321,000	295,764	5,000	59.15	11,698	Owned	[illegible]	50,000	23	0	0	0	334,648	Valentine & Assocs.
Jenison	33	M	1,180,105	914,859	15,548	58.84	169,806	Owned	95,440	135,000	125	0	0	1,180,105	0	Gerrit Huitsing
Parchment	9	M	1,447,002	1,048,978	17,350	60.46	164,753	145,000	88,271	50,000	70	0	0	1,082,002	365,000	Norm Hamann
Yale	3	B	217,779	162,579	3,600	45.16	10,782	32,900	11,518	18,000	27	0	30,000	10,000	177,779	William Vogan
MISSISSIPPI																
Biloxi	12	B	420,061	343,138	8,820	38.90	56,335	Owned	20,588	25,000	34	0	0	420,061	0	Bargas & Allen
Hurley	9	B	317,951	245,800	4,600	53.43	54,154	Owned	17,997	18,700	18	0	0	317,951	0	Thomas Habeeb
Newhebron	2	B	145,000	123,885	2,560	48.39	13,115	Owned	8,000	6,000	20	59,175	0	27,418	58,407	Walter Cooper
Vancleave	7	B	467,199	387,400	8,337	46.47	53,354	Owned	26,445	19,600	25	0	0	467,199	0	Thomas Habeeb
MISSOURI																
St. Ann	55	B	1,361,055	1,092,623	15,500	70.49	143,378	Owned	125,054	90,000	119	0	0	1,361,055	0	Praprotnik & Assocs.
St. Charles	45	B	733,518	505,085	10,816	46.70	133,735	79,298	15,400	70,000	117	241,875	0	491,643	0	Schultz Group
NEBRASKA																
Neligh	2	M	433,729	316,265	5,600	56.48	55,691	24,000	37,773	15,000	35	100,000	0	0	333,729	Jack D. Gardner
NEVADA																
Mesquite	2	B	426,218	383,385	2,800	136.92	40,793	Owned	2,040	10,000	n/a	136,213	200,000	90,005	0	Barbara Flammang
Las Vegas[8]	70	MS	13,156,170	12,245,312	104,000	117.74	827,866	Owned	82,992	300,000	140	0	10,817,212	53,737	2,285,221	Antoine Predock
Las Vegas	50	B	34,340	29,593	3,300	8.97	4,747	Leased	0	15,000	40	0	34,340	0	0	none
Moapa	1	B	453,661	399,350	5,000	79.87	54,311	Owned	0	2,500	n/a	148,012	54,311	50,000	201,338	none
Wells	1	B	264,952	245,452	2,800	87.66	19,500	Owned	0	8,000	30	123,350	0	43,936	97,666	none
NEW HAMPSHIRE																
New Castle	1	M	308,600	223,600	4,300	52.00	75,000	Owned	10,000	10,000	24	37,500	0	271,000	0	Dell Fox
North Woodstock	1	M	350,000	300,000	6,000	50.00	15,000	35,000	0	n/a	30	0	0	350,000	0	none
NEW JERSEY																
Lakehurst	36	B	2,022,243	1,454,970	14,320	101.60	130,679	360,000	76,594	55,00	105	0	246,500	1,775,743	0	James W. Hyres
Wall[8]	25	B	3,200,000	n/a	25,000	n/a	n/a	Owned	n/a	85,000	80	0	0	3,200,000	0	Joseph Tomaino
NEW YORK																
Scotia	21	B	550,000	300,000	5,000	60.00	37,000	50,000	163,000	36,000	40	55,000	0	445,000	50,000	Cullen Assocs.
Wolcott	5	M	316,900	279,000	4,500	62.00	10,000	Owned	27,900	11,500	25	56,000	45,000	96,900	119,000	DeWolf
NORTH CAROLINA																
Burgaw	28	M	1,003,822	807,022	14,000	57.64	128,850	15,000	52,950	80,000	75	250,010	0	753,812	0	John Sawyer
Canton	15	B	1,026,264	790,900	10,800	73.23	88,369	27,000	119,995	30,000	69	120,032	125,000	751,268	30,000	W.R. Cunningham
Kill Devil Hills	10	B	625,000	476,986	8,000	59.62	89,000	Owned	59,014	20,000	60	0	125,000	375,000	125,000	Wm. Wilshire Jr.
Pine Knoll Shores	5-30	B	386,225	345,000	3,035	113.67	31,625	n/a	9,600	10,000	28	0	0	351,225	35,000	Bivens & Burnette

LEA BABCOCK

Detroit Lakes Public Library, Minn.

New Buildings (continued)

Community	Pop. in M	Code	Project Cost	Const. Cost	Gross Sq. Ft.	Sq. Ft. Cost	Equip. Cost	Site Cost	Other Costs	Volumes	Reader Seats	Federal Funds	State Funds	Local Funds	Gift Funds	Architect
OHIO																
Brookfield	10	B	$216,000	$162,000	2,200	$73.64	$30,000	$10,000	$14,000	7,500	20	0	0	$206,000	$10,000	Randall P. Baker
Caldwell	11	M	974,599	724,734	7,985	90.76	89,983	78,291	81,591	30,000	39	200,173	0	767,326	7,100	Michael Tabling
Cincinnati	4	B	2,673,825	2,019,941	15,000	134.66	173,741	248,451	231,692	80,000	120	0	0	2,673,825	0	Frank W. Enneking
Cincinnati	14	B	2,049,505	1,420,141	16,000	88.76	200,186	238,470	190,708	80,000	113	0	0	2,049,505	0	Donald Engelhard
Cleveland[10]	34	B	1,681,345	1,268,200	7,500	169.09	111,996	66,000	235,149	n/a	n/a	0	0	1,681,345	0	Stephen J. Bucchieri
Goshen	15	B	1,138,700	971,000	14,000	69.36	80,000	31,000	56,700	85,000	155	0	0	1,138,700	0	Gerald Harley
Proctorville	10	B	450,881	240,500	5,523	43.55	93,729	85,000	31,652	13,000	38	0	0	450,881	0	Robert L. Dalton
Springboro	7	B	500,000	400,000	5,000	80.00	30,000	Leased	70,000	20,000	26	0	0	0	500,000	Lecklider-Jay Archs.
Streetsboro	10	B	449,000	361,000	6,500	55.54	33,000	Owned	55,000	40,000	45	198,000	0	14,000	237,000	D. Holzheimer Assocs.
OKLAHOMA																
The Village	45	B	1,233,830	1,002,415	14,044	71.38	171,415	Owned	60,000	70,000	80	75,000	0	1,158,830	0	Glover-Smith-Bode
OREGON																
Gresham	80	B	1,706,957	1,119,701	20,000	55.99	255,095	150,000	182,161	75,000	150	0	0	1,700,000	6,957	SERA Architects
Sisters	4	B	230,000	187,358	2,600	72.06	16,894	Leased	25,748	10,000	19	115,000	0	27,000	88,000	Neal Huston
Stayton	8	M	460,023	390,504	5,000	78.10	38,463	Owned	31,056	33,000	30	135,502	0	248,157	76,364	John Weekes
West Linn	14	M	1,467,400	807,379	12,000	67.28	183,101	271,396	205,524	70,000	76	95,543	0	1,363,364	8,493	SRG Partnership
PENNSYLVANIA																
King of Prussia	26	M	1,835,000	1,500,000	17,500	85.71	330,000	Owned	5,000	120,000	130	0	0	1,735,000	100,000	Diseroad & Wolff
SOUTH CAROLINA																
Andrews	7	B	407,200	336,000	5,000	67.20	46,000	Owned	25,200	22,000	30	0	0	407,200	0	F. Earle Gaulden
Georgetown	42	MS	1,304,070	1,068,750	19,000	56.25	151,000	Owned	84,320	75,000	89	150,000	0	1,154,070	0	F. Earle Gaulden
Laurens	56	MS	1,606,603	1,266,623	23,000	55.07	146,000	50,000	143,980	100,000	107	200,000	0	916,444	490,159	Bob Pruitt
North Augusta	43	B	1,762,591	1,191,591	15,000	79.44	171,000	300,000	100,000	50,000	90	100,000	0	1,119,491	619,000	Steve Virgo
Orangeburg	82	MS	1,144,265	892,460	21,713	41.10	198,889	Owned	52,916	85,500	107	200,000	0	937,265	7,000	Daniel Shelley
Pawley's Island	9	B	577,728	406,000	7,000	58.00	72,000	Owned	99,728	25,000	52	75,000	0	502,728	0	F. Earle Gaulden
TENNESSEE																
Adamsville	3	M	322,850	222,139	4,000	55.53	58,851	25,000	16,860	25,000	50	0	135,000	170,000	17,850	Barge, Waggoner . . .
Kingston Springs[11]	8	B	97,280	88,902	3,586	24.79	8,378	Owned	0	13,440	32	0	0	14,000	83,280	Marion Fowlkes
TEXAS																
Austin	5	M	353,826	222,576	4,600	48.39	17,929	100,000	13,321	35,000	52	0	0	0	353,826	Morris Hoover
Henderson	44	M	912,204	649,204	20,685	31.39	90,000	120,000	53,000	86,875	70	300,000	0	0	641,265	Hidell Architects
Llano	13	M	709,932	436,735	10,900	40.07	93,000	114,197	66,000	75,000	106	0	0	355,000	354,932	Denelle Wrightson
Whitehouse	4	M	342,170	233,933	5,138	45.53	46,237	30,000	32,000	25,000	19	75,000	0	235,171	60,171	James Whitmayer
UTAH																
Salt Lake City	30	B	532,831	413,939	8,200	50.48	49,898	Owned	68,994	50,000	32	135,400	0	382,431	15,000	Brixen & Christopher
Salt Lake City	45	B	1,190,000	900,000	12,500	72.00	100,000	Owned	190,000	60,000	96	111,500	51,935	1,026,565	0	Brixen & Christopher
VIRGINIA																
Big Island[12]	3	B	58,536	46,346	1,182	39.21	9,190	Owned	3,000	12,000	12	0	0	38,000	20,536	Doyle & Assocs.
Lorton	11	B	2,423,953	1,870,565	10,000	187.06	153,353	Owned	400,035	60,000	62	0	0	2,423,953	0	Alexandria Architects
Lovettsville	4	B	475,034	234,181	2,200	106.45	73,541	56,500	110,812	72,000	18	0	0	475,034	0	Michael & Michael
Middleburg	4	B	576,914	288,056	2,200	130.95	67,824	60,000	161,034	12,000	18	0	0	576,914	60,000	Michael & Michael
Virginia Beach	90	B	1,917,258	1,488,551	22,000	67.66	266,725	Owned	161,982	90,000	181	0	0	1,917,258	0	Richard J. Fitts
WASHINGTON																
Darrington	2	M	164,557	138,355	2,268	61.00	9,000	Owned	17,202	12,000	20	136,805	0	9,752	18,000	Lewis Nelson Archs.
Everett	35	B	1,366,430	946,421	8,500	111.34	111,866	162,650	145,493	60,000	52	72,873	0	1,291,557	2,000	Dykeman Architects
Gig Harbor	30	B	2,117,706	1,597,812	15,887	100.57	217,135	102,046	200,713	50,720	83	0	0	2 117,706	0	Buffalo Design Group
Tacoma	18	B	1,148,698	875,227	7,996	109.46	164,940	Owned	108,531	55,138	60	0	0	1,148,698	0	Seifert & Forbes
Tacoma	50	B	2,251,222	1,382,972	15,576	88.79	215,662	499,008	153,580	50,720	70	0	0	2,251,222	0	Erickson, McGovern
WISCONSIN																
LaFarge	3	M	95,475	75,690	2,100	36.04	18,907	Owned	878	10,000	45	0	0	0	95,475	none
Lakewood	2	M	124,702	87,207	2,290	38.08	14,828	9,000	13,667	7,000	19	37,411	0	57,000	30,291	Stanley J. Bye
Middleton	14	M	1,852,309	1,421,398	32,000	44.42	122,064	187,634	121,213	70,000	103	125,000	0	1,737,102	0	Durrant Architects
West Allis	64	M	4,150,750	3,285,750	47,000	69.91	448,000	162,000	255,000	220,000	200	0	0	3,925,750	225,000	Durrant Architects

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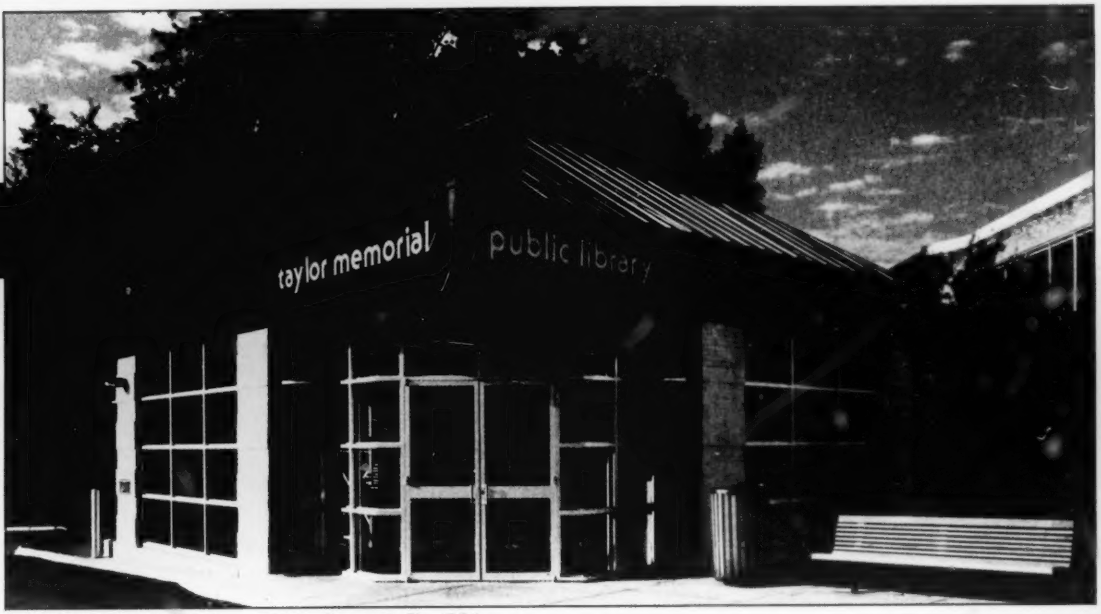
Kingston Branch Library, Ohio

© NORMAN McGRATH

East Lyme Library/Community Center, Ct.

Additions and Renovations

Community	Pop. in M	Code	Project Cost	Const. Cost	Gross Sq. Ft.	Sq. Ft. Cost	Equip. Cost	Site Cost	Other Costs	Volumes	Reader Seats	Federal Funds	State Funds	Local Funds	Gift Funds	Architect
ALABAMA																
Troy	3	M	$75,000	n/a	2,286	n/a	n/a	Owned	n/a	25,000	52	$75,000	0	0	0	Blondheim & Mixon, Inc.
ALASKA																
Soldotna	39	M	1,263,335	1,110,404	7,200	154	66,942	Owned	85,989	65,000	39	0	0	1,263,335	0	Bill Kluge & Associates
ARIZONA																
Phoenix	80	B	2,241,807	1,854,995	28,285	65.58	316,701	Owned	70,111	120,000	144	0	0	2,241,807	0	William Bruder
ARKANSAS																
Marianna	15	M	145,830	57,916	4,131	14.02	4,044	80,000	3,870	50,000	18	65,000	0	47,943	32,887	Mark Cahoon
North Little Rock	64	M	245,741	169,505	8,572	19.77	60,840	Owned	15,396	111,972	263	108,183	0	137,558	0	William B. Anderson
Russellville	47	M	305,217	248,497	12,951	19.19	33,604	Owned	18,118	62.500	39	129,753	0	15,000	160,464	Saxon Smith Assoc.
CALIFORNIA																
Banning	24	M	190,775	151,049	2,760	54.73	23,869	Owned	15,857	75,478	60	0	0	190,775	0	Ray Strebe Assocs.
Blue Jay	16	B	70,468	33,079	5,513	6	37,389	Leased	0	25,000	42	0	0	70,468	0	Pacific Southwest Realty
Oceanside[13]	60	B	n/a	n/a	850	n/a	n/a	Leased	n/a	23,000	26	n/a	n/a	n/a	n/a	n/a
Redlands	63	M	4,440,000	4,140,000	62,500	71.04	60,000	Owned	240,000	200,000	60	0	0	4,215,000	225,000	Architectural Resources
CONNECTICUT																
Sherman	3	M	433,977	339,754	1,714	198.22	50,423	Owned	43,800	20,100	37	88,297	120,624	165,000	60,056	Raymond J. Kelley
DELAWARE																
Delmar	6	M	195,000	172,000	1,780	97	14,000	Owned	9,000	20,00	40	0	0	14,000	181,000	Joseph Bastian
FLORIDA																
Boynton Beach	46	M	1,649,736	1,477,116	27,576	53.56	160,247	Owned	12,373	130,000	170	0	0	1,649,736	0	Miller Meier, Kenyon . . .
Cocoa	407	M	7,858,635	4,798,485	97,000	49.47	492,671	2,162,050	405,429	500,000	388	0	0	7,858,635	0	Stottler, Stagg & Assocs.
Lake Butler	8	M	85,100	51,600	1,400	36.86	12,900	20,000	600	7,900	18	15,100	0	70,000	0	not reported
Miami	23	B	710,000	494,000	5,500	90	40,000	60,000	116,000	22,000	44	0	0	710,000	0	Filer & Hammond
Palm Coast	24	M	106,500	68,345	3,611	18.93	38,155	Owned	0	30,000	46	0	45,000	45,000	16,500	Ron Smith
GEORGIA																
Adel	15	B	540,376	366,551	10,500	34.91	124,556	Owned	49,269	39,500	89	0	467,943	30,486	41,947	Thomson & assoc.
Atlanta	740	M	1,050,915	670,017	6,000	111.70	190,402	Owned	190,496	n/a	n/a	0	0	1,050,915	0	Stevens & Wilkinson
Atlanta	70	B	2,542,043	1,615,558	25,000	64.6[illegible]	411,830	[illegible]75,918	238,737	120,000	n/a	0	0	2,542,043	0	Giuil, Pettus Assoc.
Calhoun	37	B	978,667	n/a	13,320	73.47	n/a	Owned	27,529	40,000	76	131,715	656,952	160,000	30,000	Jennings-King Architects
Dunwoody	55	B	1,918,529	1,319,810	20,370	64.79	362,448	Owned	236,271	58,000	124	175,000	1,230,953	492,576	20,000	Kirkman Assoc.
Kennesaw	15	B	274,428	205,785	2,138	96.25	43,388	Owned	25,255	21,000	24	0	225,205	49,223	0	Chegwidden, Dorsey . . .
Moultrie	40	M	595,858	449,204	24,500	24.32	89,182	Owned	57,472	110,500	167	0	501,536	20,875	73,447	Wm. Frank McCall Assoc.
Powder Springs	15	B	286,457	225,815	2,048	110.26	38,790	Owned	21,852	21,000	20	0	225,205	61,252	0	Chegwidden, Dorsey . . .
IDAHO																
Boise	127	M	1,003,734	800,103	26,000	30.77	129,893	Owned	73,738	75,130	55	115,128	0	80,326	808,280	Zabala, Giltzow . . .
Idaho Falls	80	M	121,645	52,785	[illegible]	7.58	64,360	Owned	4,500	60,000	40	60,803	0	10,842	50,000	Newell Goldsberry . . .
ILLINOIS																
Chicago	3022	B	1,790,000	1,350,[illegible]	[illegible]	90.00	150,000	Owned	290,000	17,450	70	0	250,000	1,540,000	0	Kendall Fleming
Chicago	3022	B	1,740,000	1,300,000	[illegible]	89.97	160,000	Owned	280,000	45,000	40	125,000	1,250,000	365,000	0	Kendall Fleming
East St. Louis[14]	55	M	151,820	7,000	n/a	n/a	0	Owned	144,820	65,000	100	0	100,000	51,820	0	EWR Assoc., Inc.
Fulton	4	M	146,000	127,100	834	32.44	4,200	Owned	14,700	15,000	20	0	100,000	27,200	18,800	John R. McLane Jr.
INDIANA																
Boonville	2	B	75,882	52,868	942	56.13	21,246	Leased	1,768	3,000	55	0	0	75,882	0	Rupert Condict
Fort Wayne	300	M	2,080,000	1,700,000	230,000	7.39	135,000	Owned	245,000	2,300,000	n/a	0	0	2,080,000	0	Gibson, Tourney, Kim, Inc
Fort Wayne	184	B	1,515,000	1,280,000	73,900	17.32	30,000	Owned	205,000	280,000	n/a	0	0	1,515,000	0	Martin Riley Architects
Frankfort	30	M	2,616,103	2,080,977	39,000	53,36	250,000	85,000	200,126	90,000	80	0	483,026	450,000	1,683,077	David Roettger
Hartford City	10	M	650,000	563,250	9,729	57.89	23,000	Owned	63,750	58,000	42	0	0	650,000	0	Koster & Assoc.
Indianapolis	n/a	B	669,445	555,169	17,500	31.72	35,972	Owned	78,304	90,000	120	0	0	669,445	0	James Assoc.
New Haven	16	B	411,000	311,000	3,500	88.86	30,000	Owned	70,000	15,000	n/a	0	0	411,000	0	Morrisson Kattman

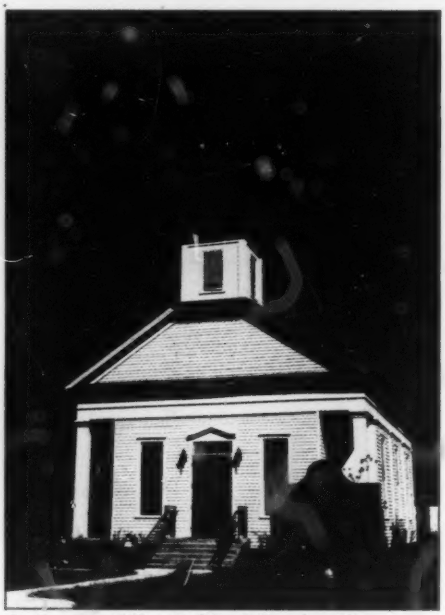


Taylor Memorial Library, Cuyahoga Falls, Ohio

Additions and Renovations (continued)

Community	Pop. in M	Code	Project Cost	Const. Cost	Gross Sq. Ft.	Sq. Ft. Cost	Equip. Cost	Site Cost	Other Costs	Volumes	Reader Seats	Federal Funds	State Funds	Local Funds	Gift Funds	Architect
IOWA																
Knoxville	11	M	$566,000	$494,512	4,166	$118.70	$39,740	Owned	$31,748	30,000	42	$70,000	0	$50,000	$446,000	Tim Jones
Sioux City	82	M	6,321,877	2,014,815	48,000	131.71	666,834	3,205,150	435,078	225,360	222	1,671,000	0	560,389	4,090,488	Engberg Anderson
KENTUCKY																
Bedford	6	M	114,531	95,860	1,500	64	9,649	Owned	9,022	45,000	20	0	49,508	64,523	500	Quintin Biagi
LOUISIANA																
Golden Meadow[15]	3	B	0	0	3,200	0	0	Leased	0	15,000	13	0	0	0	0	not reported
MAINE																
Gray	6	M	411,055	382,728	6,000	63.79	o	Owned	28,327	25,555	48	0	0	311,055	100,000	Brecher-Hyman Assoc.
MARYLAND																
White Hall	6	B	10,000	4,000	1,000	4.00	5,000	Leased	1,000	4,000	8	0	0	10,000	0	none
MASSACHUSETTS																
Hatfield	3	M	25,720	22,220	n/a	0	0	Owned	0	20,000	12	0	25,720	0	0	none
Littleton	7	M	1,080,000	877,000	15,616	56.16	93,000	Owned	110,000	75,000	100	111,000	0	967,000	2,000	Design Partnership
Monson	8	M	1,697,410	1,276,481	16,054	79.51	242,902	Owned	178,027	40,000	88	50,000	239,113	259,222	1,149,075	Notter Finegold . . .
Southboro	7	M	1,475,000	1,268,833	14,000	91	98,000	Owned	108,167	80,000	80	250,000	0	1,300,000	0	Nault Architects
Sterling	7	M	1,037,113	846,929	8,462	100	0	52,398	137,786	34,000	68	0	18,027	996,586	22,500	Amsler Hegenah . . .
Wellfleet	3	M	2,020,304	1,251,236	11,650	107.40	132,000	435,000	202,068	40,000	68	0	34,405	1,852,360	133,539	Stephen Hale
Wenham	4	M	25,000	15,000	350	42.86	6,905	Owned	3,095	40,000	45	0	0	25,000	0	Robert Farley
MICHIGAN																
Auburn Hills	17	M	512,195	410,000	5,200	78.85	78,295	Owned	23,900	16,000	44	0	0	512,195	0	Alan Manchesky
Fair Haven	6	B	17,500	15,500	728	21.29	2,000	Owned	0	10,000	20	0	0	8,200	9,300	not reported
Montague	2	B	525,426	388,000	10,800	35.93	10,000	98,000	29,426	15,000	34	0	0	515,426	10,000	Hooker/DeJong/Bosma
Rockford	20	M	722,400	519,600	9,500	54.70	95,000	60,000	47,800	40,000	76	58,000	10,000	450,500	203,900	Robert Lee Wold
St. Charles	8	M	25,000	24,000	200	120.00	0	Owned	1,000	n/a	n/a	10,0000	0	10,000	5,000	Robert Kretchman
South Haven	10	M	320,000	286,000	11,000	26.00	10,000	Owned	24,000	70,000	100	95,000	0	165,000	60,000	Richard Prince, Inc.
MINNESOTA																
Detroit Lakes	7	M	2,000,000	1,318,982	13,819	95.45	200,000	130,000	351,018	51,200	60	200,000	0	1,700,000	[illegible]0,000	Jeffrey Scherer
Moorhead	45	M	1,570,037	1,248,016	30,500	40.92	101,838	104,528	115,655	95,000	118	200,000	0	1,370,037	0	Foss Associates
Wells	5	B	235,107	162,462	4,600	35.31	17,664	27,500	27,481	16,000	32	76,460	0	41,958	116,689	A. David Asleson
MISSISSIPPI																
Cleveland	57	M	252,500	198,179	4,982	39.78	25,368	Owned	28,953	45,000	100	125,000	0	125,000	2,500	Loyd Gary Gibson
MISSOURI																
Albany	2	M	119,723	59,500	n/a	n/a	56,723,	Owned	3,500	12,045	n/a	26,500	0	90,723	2,500	Stuart Hutchison
Bay St. Louis	31	M	191,304	28,705	820	35.00	159,190	Owned	3,409	n/a	n/a	95,652	0	52,652	43,000	Fred Wagner
Fulton	32	B	127,592	127,592	2,000	63.80	0	Owned	0	4,000	20	40,000	0	87,592	0	not reported
NEW HAMPSHIRE																
Ctr. Ossipee	3	M	415,000	355,800	3,600	98.84	40,000	Owned	19,200	14,864	46	20,000	0	375,000	20,000	Thomas A. Wallace
Chichester	2	M	37,174	32,453	2,000	16.23	4,363	Owned	358	n/a	15	0	0	37,275	0	not reported

Aiken County Public Library, S.C.



LaFayette Pilot Public Library, Ala.

Additions and Renovations (continued)

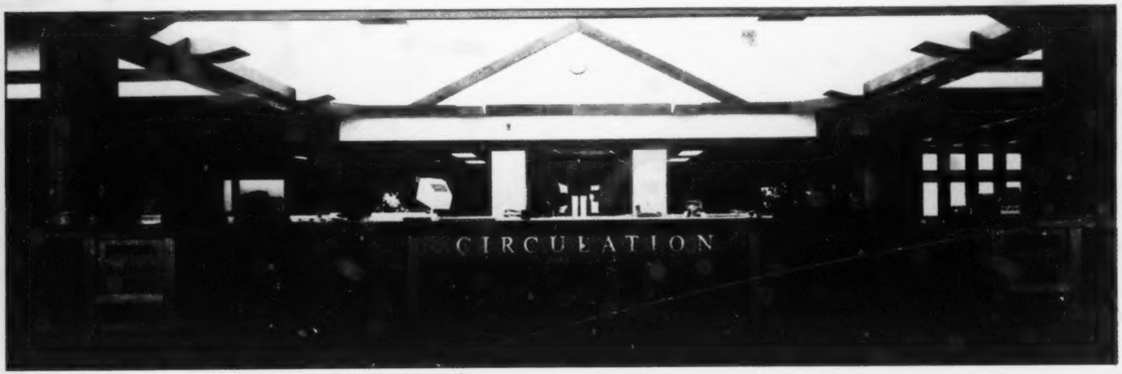
Community	Pop. in M	Code	Project Cost	Const. Cost	Gross Sq. Ft.	Sq.Ft. Cost	Equip. Cost	Site Cost	Other Costs	Volumes	Reader Seats	Federal Funds	State Funds	Local Funds	Gift Funds	Architect
NEW JERSEY																
Franklin Lakes	9	M	$602,276	$447,072	4,174	$107.11	$122,244	Owned	$32,960	70,000	72	$42,377	$67,603	$436,646	$55,650	Fred Klenk
Manahawkin	14	B	2,015,519	1,323,610	13,396	98.81	136,916	500,601	54,392	28,000	40	0	202,300	1,813,219	0	James W. Hyres
Nutley[16]	29	M	2,611,179	2,189,857	20,000	109.49	209,322	Owned	212,000	120,000	119	30,916	260,000	2,170,263	150,000	James Goldstein & Partners
NEW MEXICO																
Los Lunas	24	M	158,900	143,000	7,950	17.99	9,900	Owned	6,000	28,000	34	0	69,943	92,957	0	John Pate
NEW YORK																
Brookhaven[17]	21	M	84,500	78,000	1,080	72.22	1,500	Owned	5,000	7,560	20	0	14,000	0	70,500	Donald G. Feiler
Brooklyn	33	B	1,660,000	1,358,000	8,000	169.75	71,000	Owned	231,000	30,000	75	0	200,611	1,804,470	0	Roger Lewis
Burnt Hills	12	M	9,300	9,300	48	193.75	0	Owned	0	40,000	40	0	2,708	6,592	0	Wesley Weaver
Clifton Park	35	M	2,000,000	1,705,194	18,500	92.17	172,443	Owned	122,363	100,000	115	0	0	2,000,000	0	Dodge Chamberlin . . .
Cutchogue[18]	4	M	122,035	90,000	1,500	60.00	32,035	Owned	0	9,000	12	3,535	0	48,500	70,000	none
Dix Hills	43	M	4,059,000	3,387,200	51,000	66.41	210,000	Owned	461,800	240,000	189	0	0	4,059,000	0	Gibbons, Heidtmann . . .
Melville[19]	43	B	1,226,000	952,780	10,100	94.33	125,000	Owned	148,220	42,000	50	125,000	0	1,101,000	0	Gibbons, Heidtmann . . .
Schaghticoke	7	M	43,247	28,780	670	42.96	0	Owned	14,467	12,000	30	5,945	5,000	22,302	10,000	Cornerstone Architectural
NORTH CAROLINA																
Greenville	5	B	143,000	126,000	4,100	30.74	9,000	Owned	8,000	20,000	30	0	65,000	78,000	0	Dudley Shoe Ellinwood
Jacksonville	125	MS	430,000	341,000	6,129	55.64	55,000	Owned	34,000	67,000	100	125,000	0	290,881	14,119	George Smart Architects, Inc.
Kinston	30	M	81,500	73,000	1,200	60.83	5,000	Owned	3,500	250	20	30,000	0	0	53,000	Mark W. Hargett
Shelby	88	M	1,748,000	1,500,000	26,000	57.69	125,000	Owned	123,000	125,000	104	80,000	62,000	881,000	725,000	Martin, Boal . . .
NORTH DAKOTA																
Larimore[20]	2	M	25,029	25,028	1,540	16.25	0	1.00	0	10,225	8	0	11,000	11,000	3 029	none
Minot[21]	22	MS	109,495	94,661	4,000	23.67	6,100	Owned	8,734	43,000	24	39,599	0	69,896	0	Edmund C. Leonard
OHIO																
Berea	20	B	1,414,508	1,036,424	15,995	64.80	221,243	Owned	156,841	72,000	108	0	0	1,414,508	0	Collins, Rimer & Gordon
Bucyrus	25	M	908,136	760,426	15,709	48.40	74,727	Owned	72,983	50,000	78	373,327	0	498,351	36,458	Burris & Behne
Cuyahoga Falls	44	MS	2,157,716	1,689,547	53,154	31.79	269,446	Owned	198,723	175,100	320	0	0	2,157,716	0	Braun & Steidl Architects
Kingston	3	B	198,880	139,560	2,020	69.09	20,805	27,000	11,515	5,000	25	0	0	198,880	0	Clyde Henry
Logan	25	M	110,000	105,000	1,800	58.33	1,000	Owned	4,000	50,000	40	0	0	110,000	0	Panich & Noel
Mt. Vernon[22]	46	MS	2,800,000	2,215,481	28,000	79.12	272,705	25,500	286,314	110,000	160	0	0	2,765,000	35,000	McDonald, Cassett & Bassett
Sylvania	41	B	1,766,067	1,402,683	18,000	77.93	170,000	n/a	193,384	75,000	125	0	0	1,766,067	0	Munger Munger & Assocs.
Washington C.H.	27	M	309,640	260,000	3,044	85.41	12,000	Owned	37,640	65,000	56	102,996	0	206,644	0	Design Group, Inc.
Xenia	24	M	145,201	109,951	13,000	8.46	8,141	Owned	27,109	114,327	96	0	0	145,201	0	Lecklider & Jay
OKLAHOMA																
Holdenville	5	M	281,056	251,510	4,475	56.20	12,236	Owned	17,310	21,000	36	135,000	10,000	0	136,056	Badgett & Coover-Clark
Hominy	5	M	107,690	44,737	3,360	13.31	36,512	26,441	0	9,000	25	50,000	0	57,690	0	none
Oklahoma City	94	B	452,468	422,768	6,000	70.46	0	Owned	29,700	100,000	123	100,000	0	352,468	0	Turnbull & Mills
Tulsa	22	B	67,768	44,015	5,834	7.54	22,520	Owned	1,233	35,000	69	0	0	67,768	0	Charles Ward
PENNSYLVANIA																
Greencastle	15	M	167,500	167,500	1,800	93.00	0	Owned	0	32,000	35	0	0	167,500	0	Eagle Construction
Linesville[23]	4	M	60,663	14,270	1,375	10.37	15,573	30,000	820	15,000	25	0	6,260	7,081	47,322	Richard F. Boyer

HOWARD N. KAPLAN

Sioux City Public Library, Iowa

Additions and Renovations (continued)

Community	Pop. in M	Code	Project Cost	Const. Cost	Gross Sq. Ft.	Sq. Ft. Cost	Equip. Cost	Site Cost	Other Costs	Volumes	Reader Seats	Federal Funds	State Funds	Local Funds	Gift Funds	Architect
RHODE ISLAND																
Providence	150	B	$418,057	$255,905	3,710	$68.98	$34,391	$100,595	$27,166	15,000	53	$209,028	0	$100,000	$109,029	Robinson Green Beretta
Scituate	8	M	589,380	440,000	7,000	62.86	31,000	Owned	118,380	20,000	33	0	299,690	12,650	277,040	Donald Prout Assocs.
SOUTH CAROLINA																
Aiken[24]	58	MS	2,532,645	2,198,145	30,000	73.27	250,000	n/a	84,500	80,000	159	300,000	0	1,788,463	524,182	Steve Virgo
Orangeburg	82	MS	1,028,034	770,172	21,713	35.47	207,000	Owned	50,862	85,500	107	200,000	0	821,034	7,000	W. Daniel Shelley . . .
TENNESSEE																
Altamont	1	M	26,451	26,451	2,015	13.13	0	Owned	0	2,200	30	0	0	26,451	0	none
TEXAS																
Buna	9	M	105,000	95,000	5,000	19.00	10,000	Owned	0	30,000	29	0	0	0	105,000	National Buildings
Henderson	44	M	912,204	649,204	20,685	31.39	90,000	120,000	53,000	86,875	70	300,000	0	0	641,265	Hidell Architects
Waxahachie	32	M	836,000	603,000	6,600	91.37	112,000	Owned	121,000	20,000	90	0	0	0	840,000	Hidell Architects
UTAH																
Salt Lake City	30	B	532,831	413,939	8,200	50.48	49,898	Owned	68,994	50,000	32	135,400	0	382,431	15,000	Brixen & Christopher
VIRGINIA																
Hampton	10	B	813,000	775,000	6,450	120.15	38,000	Leased	n/a	25,000	44	0	0	175,000	925,000	Rancorn, Wildman . . .
Hampton	20	B	n/a	n/a	6,684	n/a	15,000	Leased	n/a	55,000	40	n/a	n/a	15,000	n/a	not reported
Virginia Beach	4	B	205,928	125,677	2,700	46.55	33,029	Owned	47,222	10,000	11	0	0	205,928	0	Greaves Finch & Assocs.
WASHINGTON																
Port Townsend	7	M	816,276	594,829	7,600	78.27	62,985	Owned	158,462	30,000	40	248,033	0	172,502	395,741	Les Tonkin & Myron Lewis
Seattle	35	B	735,140	635,640	9,971	63.74	24,500	Owned	75,000	30,000	58	0	0	656,140	79,000	Cardwell/Thomas & Assocs.
Seattle	35	MS	554,000	475,000	8,100	58.64	23,000	Owned	56,000	19,000	46	0	0	486,000	68,000	Cardwell/Thomas & Assocs.
Spokane	40	B	1,534,330	1,015,625	15,200	66.82	225,000	Owned	293,705	120,000	148	0	0	1,534,330	0	Gary Bernardo
Tacoma	7	B	666,762	485,808	5,025	96.68	94,360	15,109	71,485	12,023	30	0	0	666,762	0	Seifert & Forbes
Tacoma	26	B	1,057,588	790,653	9,686	81.63	143,780	Owned	123,155	48,300	70	0	0	1,057,588	0	Elaine Day LaTourelle
Tacoma[25]	174	MS	7,194,986	5,057,398	95,727	52.83	1,375,000	Owned	762,589	806,460	245	0	0	7,094,987	100,000	Tsang Partnership
WEST VIRGINIA																
Ashton	6	B	38,869	35,502	640	55.47	1,417	Leased	1,950	5,000	12	16,000	3,435	19,434	0	Wilson & Goff
Branchland	8	B	46,924	40,772	800	50.96	2,725	Owned	3,427	20,000	24	20,000	3,125	23,799	0	Wilson & Goff
WISCONSIN																
New Berlin	35	M	575,000	402,822	6,400	62.94	37,178	Owned	135,000	25,000	25	125,000	0	450,000	0	Durrant Group
New Richmond	8	M	295,026	267,337	8,387	31.88	7,464	Owned	20,225	35,000	86	0	0	125,000	170,026	Stanley Fishman
Shawano	36	M	1,150,000	1,060,000	21,000	50.47	0	Owned	90,000	120,000	98	0	0	800,000	350,000	Sauter, Seaborne, Inc.



Berlin-Peck Memorial Library, Kensington, Ct.

Six-Year Cost Summary

	Fiscal 1985	Fiscal 1986	Fiscal 1987	Fiscal 1988	Fiscal 1989	Fiscal 1990
Number of new bldgs.	99	71	101	101	111	127
Number of ARRs[1]	125	120	150	142	124	123
Sq. ft. new bldgs.	852,831	1,141,957	1,370,479	1,449,397	1,760,743	1,592,389
Sq. ft. ARRs	1,227,063	1,189,319	1,582,106	1,280,321	1,612,495	1,707,313
NEW BLDGS.						
Construction cost	$52,799,143	$73,092,317	$101,016,870	$100,984,847	$160,937,343	$128,175,181
Equipment cost	6,585,913	9,799,996	17,958,318	20,489,527	19,450,410	16,922,110
Site cost	4,085,764	4,211,461	5,047,659	10,403,705	14,191,713	13,147,809
Other costs	5,728,714	10,869,097	12,096,087	12,349,755	16,693,362	13,357,985
Total—Project cost	70,583,649	97,972,871	136,952,501	144,237,174	211,716,128	176,628,983
ARRs—Project cost	69,256,835	59,634,921	80,534,403	104,179,480	135,015,044	113,769,695
NEW & ARR PROJECT COST	$139,840,484	$157,607,792	$217,486,904	$248,416,654	$346,731,172	$290,398,678
FUND SOURCES						
Federal, new bldgs.	$9,803,398	$6,367,559	$5,757,098	$7,352,110	$8,140,109	$10,593,149
Federal, ARRs	8,086,819	4,753,052	4,677,400	7,321,967	8,264,044	6,984,747
Federal, total	$17,890,217	$11,120,611	$10,434,498	$14,674,077	$16,404,153	$17,577,896
State, new bldgs.	$4,139,433	$1,863,277	$7,710,681	$13,849,248	$48,714,905	$29,450,257
State, ARRs	1,607,519	7,054,676	5,310,877	6,922,165	6,997,782	7,315,892
State, total	$5,746,952	$8,917,953	$13,021,558	$20,771,413	$55,712,687	$36,766,149
Local, new bldgs.	$47,914,637	$73,997,971	$117,135,870	$112,230,599	$137,650,121	$124,136,070
Local, ARRs	49,096,264	42,971,936	64,050,359	79,197,138	108,753,024	84,323,211
Local, total	$97,010,901	$116,969,907	$181,186,229	$191,427,737	$246,403,145	$208,459,281
Gift, new bldgs.	$8,766,333	$15,771,620	$7,182,656	$11,084,832	$17,428,326	$13,094,262
Gift, ARRs	10,490,099	4,982,621	6,734,422	10,805,194	11,219,980	15,928,366
Gift, total	$19,256,432	$20,754,241	$13,917,078	$21,890,026	$28,648,306	$29,022,628
TOTAL FUNDS USED	$139,904,502	$157,762,712	$218,559,363	$248,763,253	$347,168,291	$291,825,954

[1] Additions, Remodelings, and Renovations

References

1. Formerly an 1835 Presbyterian church.
2. Twenty-five-year lease, $10 a year.
3. Two buildings in one: a public library and a school library.
4. Diplays a mural depicting Oxnard history, by Mexican artist Manuel Muñoz Olivares.
5. Library in "bookstore" format is part of shopping center.
6. Part of municipal center including town hall; costs cannot be broken down.
7. Many of the Atlanta projects are prefabs in housing projects.
8. See article, "Nevada Library Building Boom," *LJ*, December 1988, p. 69–70.
9. Built together with municipal building; no separation of costs.
10. Architect awarded honorable mention for Architecture/ Design in *Northern Ohio LIVE* Awards of Achievement Edition.
11. Built of hand-hewn, dovetailed notched logs.
12. Initial construction by vocational students at the Beford Educational Center.
13. Landlord paid for entire building extension; created separate area for children/story hours.
14. Building remodeled for handicapped access.
15. Building owner payed for entire renovation before library took possession.
16. Renovation of 1913 Carnegie building.
17. Entire project funded by contributions.
18. 1802 church building converted to children's library wing.
19. Historical restoration of former schoolhouse.
20. Building deeded to library by Larimore Senior Citizens for $1. All labor was donated.
21. Remodeled old farm implement building.
22. Custom-crafted furnishings designed by lib. staff; circulation desk and work area designed to look like *Starship Enterprise*.
23. Former Unitarian church, founded in 1873, given as gift to library.
24. Remodeled historic turn-of-the-century elementary school.
25. Restored/remodeled 1902 Carnegie Library.

LIBRARY BUILDINGS 1990

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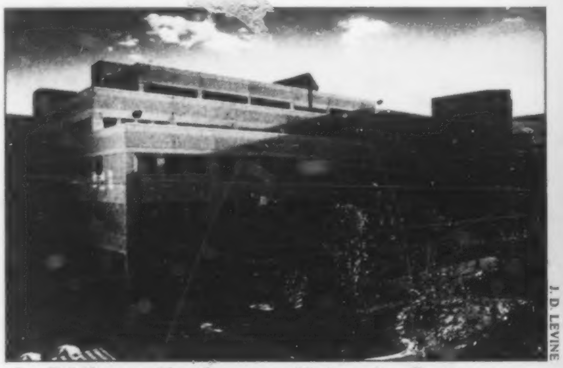
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Graeber, Simmons & Cowan, Architects, AIA, 100 Congress St., Suite 100, Austin, TX 78701

Greaves, William M., AIA, of Greaves Finch & Associates, PC, Suite 200, Pkwy. One, 2697 International Pkwy., Virginia Beach, VA 23452

Habeeb, Thomas, Pascagoula, MS

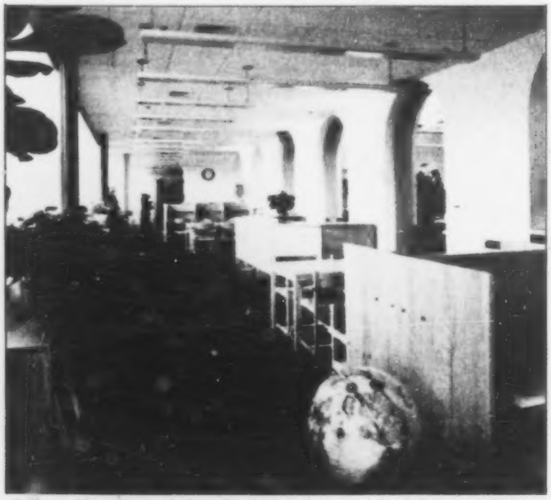
Hale, Stephen, Architect & Associates, 2 Everett St., Jamaica Plain, MA 02130

Hamann, Norm of Diekema/Hamann/Architects, Inc., 6011 W. Michigan Ave., Kalamazoo, MI 49009

Hargett, Mark W., 107 E. North St., Kinston, NC 28501

Harley, Gerald, 514 Ohio Pike, Cincinnati, OH 45245

Heinz, Peter, AIA, 1525 Spruce St., Suite 300, Boulder, CO 80302



Johns Hopkins School of Hygiene & Public Health

Henry, Clyde, McDonald, Cassell & Bassett Architects, 2079 W. 5th Ave., Columbus, OH 43212

Hidell Architects, 2811 McKinney Ave., Suite 207, Dallas, TX 75204

Hollis + Miller Group, The, 5000 W. 95th St., Suite 100, Prairie Village, KS 66207

Holzheimer, David, Associates, Architects, 8223 E. Washington St., Chagrin Falls, OH 44022

Hooker/DeJong/Bosma Architects PC, 557 W. Western Ave., Muskegon, MI 49440

Hoover, Morris, 1900 Pearl St., Austin, TX 78705

Howell, William & Associates, Inc., 1830 Water Place, Suite 110, Atlanta, GA 30339

Huitsing, Gerrit, The Architectural Group, Inc., 3890 Chicago Dr. SW, Grandville, MI 49418

Huston, Neal, 921 NW Wall St., Bend, OR 97701

Hyres, James W., 776 Commons Way, Toms River, NJ 08755

Ittner & Bowersox, Inc., 1010 Market St., St. Louis, MO 63101

Jacoubowsky, Hawkins, Walker Associates, Inc., 299 Cannery Row, Monterey, CA 93940

James Associates, 8888 Keystone Crossing, #1400, Indianapolis, IN 46240

Jenkins-Peer, 112 S. Tryon St., Charlotte, NC 28284

Jennings-King Architects, Inc., Suite 202, 110 W. Crawford, St., Dalton, GA 30720

Jones, Tim of Grimes, Port, Jones & Schwerdtfeger Architects, 3404 Midway Dr., Waterloo, IA 50701

Kaestle Boos, High Rd., New Britain, CT

Kaplan McLaughlin Diaz, 222 Vallejo, San Francisco, CA 94111

Kelly, Raymond J. 11 Orchard Rest Rd., Sherman, CT 06784

SEATTLE PUBLIC LIBRARY
GREEN LAKE BRANCH

Green Lake Library, Seattle

Killingsworth, Stricker, Lindgren, Wilson & Associates, 3833 Long Beach Blvd., Long Beach, CA 90807

King, Eric, 600 Park St., Hays, KS 67601

Kirkman & Associates, PO Box 1033, Dalton, GA 30720

Klenk, Fred, 684 Rte. 208, Franklin Lakes, NJ 07417

Kline, David of Kline Swinney & Associates, 22 Middleton, Nashville, TN 37210

Kluge, Bill & Associates, 130 Trading Bay Rd., Kenai, AL 99661

Koster & Associates, Architects, 1220 W. 6th St., Cleveland, OH

Kretchman, Robert, 603 Bearinger Bldg., Saginaw, MI

Lamoureux, Pagano & Associates, Inc., 14 E. Worcester St., Worcester, MA 01604

LaTourelle, Elaine Day & Associates, Terminal Sales Bldg., Suite 808, Seattle, WA 98101

Lecklider-Jay Architects, Daryl Garrison, 210 N. St. Clair St., Dayton, OH 45402

Leonard, Edmund C., 111 11th St., SW, Minot, ND 58701

Lewis, James, formerly TMA Architectural Group, 111 7th Ave. W., Eugene, OR 97440

Lewis, Roger, 438 Columbia Ave., Rockville Center, NY 11570

McLane, John R. Jr., 212 S. Ottawa Ave., Dixon IL 61921

McLeod/F[illegible]/Ensign, 162 S. Down Rd., [illegible]ter, MD 21037

Malstrom, Cathleen of Architectural Resources Group, Pier 9, The Embarcadero, San Francisco, CA 94111

Manchesky, Alan, 2731 Adams Rd., Pontiac, MI 48057

Martin, Boal, Anthony & Johnson, PO Box 2285, Shelby, NC 28150

Michael & Michael, Inc., Leesburg, VA

Miller, Meier, Kenyon, Cooper, 101 NE 3d St., Suite 300, Ft. Lauderdale, FL 33301

Miralles & Associates, 779 W. Woodbury Rd., Altadena, CA 91001

Moake Park Associates, Inc., 202 W. Berry St., Fort Wayne, IN 46802

Moore, Charles, Archiplan, 920 E. 2d St., Los Angeles, CA 90012

Morrison Kattman & Associates, 133 W. Columbia St., Fort Wayne, IN 46802

Mosteler, Bruce of Owen & Chrisman, Architects, 10052 Mesa Ridge Ct., Suite 180, San Diego, CA 92115

Munger Munger & Associates, 225 Michigan St., Toledo, OH 43624

Nault Architects, 61 Harvard St., Worchester, MA 01609

NCP Inc., 401 Washington St., Towson, MD 21204

Nelson, Lewis, Architects, 2800 Northup Way, Suite 100, Bellevue, WA 98004

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Olin Library, Mills College, Oakland, Cal.

Newell Goldsberry Sundberg & Associates, PO Box 2379, Idaho Falls, ID 83403

Notter Finegold & Alexander, Inc., 77 N. Washington St., Boston, MA 02114-2193

Olsavsky, James, 312 N. Main St., Niles, OH 44446

Panich & Noel, 507 Richland Ave., Athens, OH 43138

Pate, John, Moltzen-Corbin & Associates, 2701 Miles Rd. SE, Albuquerque, NM 87106

Peckham Guyton Albers & Viets, 116 W. 47th, Suite 201, Kansas City, MO 64112

Phillips Swager Associates, Inc., 3622 N. Knoxville, Peoria, IL 61603

Pierce Architecture, 5881 Leesburg Pike, Suite 304, Bailey's Crossroads, VA 22041

Porta-Structures Industries, 5401 Westbard Ave., Suite 110, Bethesda, MD 20816

Porter & Associates, 800 Miami Circle NE, Suite 200, Atlanta, GA 30324

Portland Design Team, 105 Danforth St., Portland, ME 04101

Praprotnik, R.L. & Associates, address not available.

Predock, Antoine, FAIA, 300 12th St. NW, Albuquerque, NM 87102

Prince, Richard, Inc., 309 E. Water St., Kalamazoo, MI 49007

Prout, Donald, Associates, Inc., 39 Glen Rd., Cranston, RI 02920

Pruitt, Bob of Piedmont-Olsen Group, PO Box 1717, Greenville, SC 29602

Purves, Alexander, New Haven, CT

Rader, James, 110 3d Ave. SE, Moultrie, GA 31768

Raibley, Tim & Melvin "Bud" Erny, ADG Architecture and Design Group, PO Box 335, Mt. Carmel, IL 62863

Rancorn, Wildman, Krause, Brezinski, PO Box 1817, Newport News, VA 23601

Rapp Partners, Inc., The, 3901 Broadway, Galveston, TX 77550

Rasmussen & Associates, 248 S. Mills Rd., Ventura, CA 93001

Reid & Tarics Associates, 20 Jones St., San Francisco, CA 94102

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Riley, Martin, Architects, 122 W.Wayne St., Fort Wayne, IN 46802

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Robinson Green Beretta Corp., 50 Holden St., Providence, RI 02908

Roettger, David, Indianapolis, IN 46226

Rogers, Lovelock & Fritz, Inc., 145 Lincoln Ave., Winter Park, FL 32790

Rothman, Richard & Associates, 84 Peachtree St., Atlanta, GA 30303

R.R.P, Inc., 1725 Lewis Ave., Waukegan, IL 60085

Sauter, Seaborne, Inc., 825 W. Lawrence, Appleton, WI 54914

Sawyer, John, PO Box 176, Wilmington, NC 28402

Saxon Smith Associates, 814 W.B, Russellville, AR 72801

Scherer, Jeffrey, of Meyer, Scherer, & Rockcastle, 325 2d Ave. N., Minneapolis, MN 55401

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Schultz Group, 220 Compass Point Dr., St. Charles, MO 63301

Scogin, Elam & Bray, 1819 Peachtree St. NE, Atlanta, GA 30309

Scully. Daniel V., 44 Main St., Peterbo[illegible]gh, NH 03458

Seifert & Forbes, 925 Tacoma Ave. S., Tacoma, WA 98402

SERA Architects, PC, 123 NW 2d, Portland, OR 97201

Shelley, Daniel of James, Durant, Matthews, & Shelley, Inc., 128 E. Liberty St., Sumter, SC 29150

Shepley, Bulfinch, Richardson & Abbot, 40 Broad St., Boston, MA 02109

Sides, Charles of Sides & Pope, Architects, 5191 Columbus Rd., Macon, GA 31208-6254

Simon, Martin-Vegue, Winkelstein, Moris, 501 2d St., San Franisco, CA 94107

Sizemore-Floyd, 600 W. Peachtree St., Atlanta, GA 30308

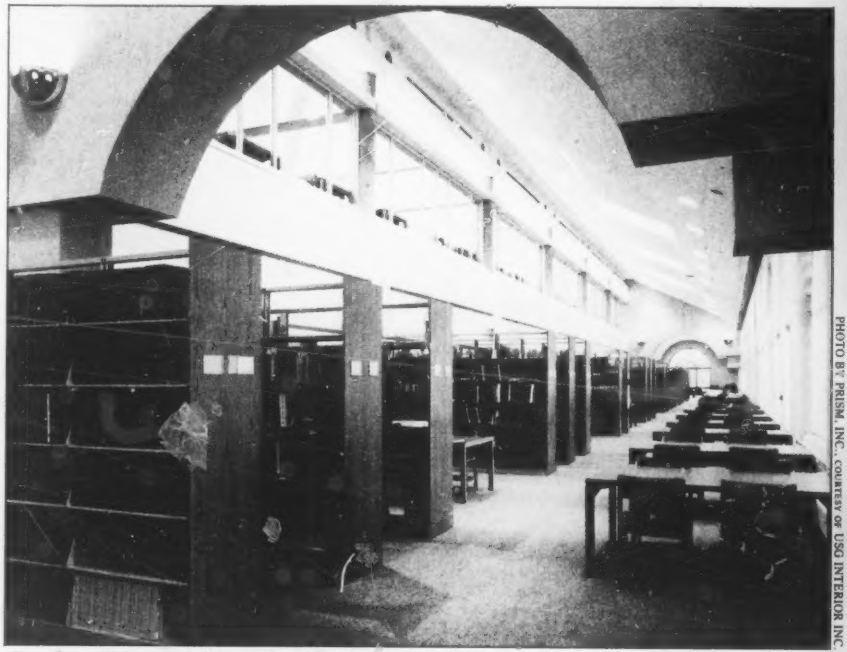
Smart, George Architects, Inc., 113 N. Boylan Ave., Raleigh, NC 27603

Smith, Ron, Palm Coast Construction, Executive Offices, Palm Coast, FL 32051-0001

Smith, Walter J., 102 E. Garden St., Pensacola, FL 32501

Spangler & Manley, PO Box 880, Griffin, GA 30224

Spillman Farmer Shoemaker Bell Whildin, PC, One Bethlehem Plaza, Bethlehem, PA 18018



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Anschutz Science Library, University of Kansas, Lawrence

SRG Partnership, 621 SW Morrison, Portland, OR 97204

Stanley, Love-Stanley, PC, 120 Ralph McGill Blvd., Atlanta, GA 30308

Stevens & Wilkinson, Inc., 100 Peachtree St., Atlanta, GA 30043-6801

Stottler, Stagg & Associates, 8600 Astronaut Blvd., Cape Canaveral, FL 32920

Strang, Inc., 6411 Mineral Point Rd., Madison, WI 53706

Strebe, Ray, Associates, 666 W. Gilman, Banning CA 92220

Structural Engineers, PC, 110 N. 2d St., Marshalltown, IA

Stuart Hutchison Architects, 804 Woodsweather Rd., Kansas City, MO 64110

Tabling, Michael of Beck & Tabling Architects, Inc., 471 N. Cleveland-Massillon Rd., Akron, OH 44313

Terry, Evan, Associates, PC, 2129 Montgomery Hwy., Birmingham, AL 35209

Thomson & Associates, 2906-B N. Patterson St., Valdosta, GA 31602-1720

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Tomberlin Associates Architects, 2241 Perimeter Park Dr., Suite 1, Atlanta, GA 30341

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Trott Eisenman, Architects, 77 E. Nationwide Blvd., Columbus, OH 43215

Tsang Partnership, 748 Market St., Suite 300, Tacoma, WA 98402

Tully, Gordon F. of Tully & Ingersoll Architects, 112B Lakeview Ave., Cambridge, MA 02138

East Naples Branch Library, Naples, Fla.

Turnbull & Mills, 3535 NW 58th, Suite 1010, Oklahoma City, OK 73112

Valentine, T.R. & Associates, Inc., 901 Huron Ave., Suite B., Port Huron, MI 48060

Verkerke Boyles Linehan, Inc., 2508 Maryland Ave., Baltimore, MD 21218

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Vogan, William, 520 Bard St., Port Huron, MI 48060

Vos, Dan, Construction Co. Inc., 6160 E. Fulton, Ada, MI 49301

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Whitmayer, James, address unavailable.

Wilshire, William A., Jr., AIA, Rte. 1, Box 210, Nags Head, NC 27959

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Woodham & Sharpe Architects, 923 S. Perry St., Montgomery, AL 36104

Wrightson, Denelle of Hidell Architects, 2811 McKinney Ave., Dallas, TX 75204

Zabala, Giltzow, Albanese, Chartered Architects & Planners, 815 Park Blvd., Suite 350, Boise, ID 83712

Zimmer Gunsul Frasca Partnership, 320 SW Oak St., Suite 500, Portland, OR 97204

IN PROGRESS

Still To Come ...

Though still impressive, the number of forthcoming buildings for 1990 (833) is down somewhat from the remarkable 949 of 1989. This year's list of library buildings in progress comprises 720 public libraries from 45 states, and 113 academic libraries from 37 states, the District of Columbia, and Guam.

The list of individual projects submitted follows with the stage(s) of progress checked accordingly.

STAGES		
PREDESIGN	1	PRELIMINARY INVESTIGATION
	2	PROGRAM FILED
	3	PROJECT FUNDED
	4	ARCHITECT SELECTED
DESIGN	5	DESIGN STAGE IN PROGRESS
	6	CONSTRUCTION DOCUMENTS COMPLETED
	7	BIDDING COMPLETE
	8	CONTRACTS AWARDED

The date following the library name represents the estimated year of completion.

Academic Projects

NAME OF LIBRARY	STAGES							
	1	2	3	4	5	6	7	8
ARIZONA								
Northern Arizona University, Flagstaff [1990]	✓	✓	✓	✓	✓	✓	✓	✓
ARKANSAS								
Univ. of Arkansas, Fayetteville [?]	✓							
Harding University, Searcy [1990]								✓
CALIFORNIA								
California State–Hayward, Concord [1992]	✓	✓	✓	✓	✓	✓	✓	✓
Univ. of California, Davis [1992]	✓	✓	✓	✓	✓	✓		
Univ. of California–San Diego, La Jolla [1993]	✓	✓	✓	✓	✓	✓	✓	✓
Teaching Lib., USC, Los Angeles [1993]	✓	✓	✓	✓	✓			
Naval Postgraduate School, Monterey [1992]								✓
Pfau Lib., California State Univ., San Bernardino [1993]		✓		✓	✓			
San Diego State Univ. Lib. [1994]		✓	✓	✓				
City Coll. of San Francisco [1993]	✓	✓		✓	✓			
Univ. of California, San Francisco [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Cal. State Univ., San Marcos [1992]							✓	
Science Lib., UC–Santa Cruz [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Stanford Univ. Lib. [1993]	✓			✓	✓			

NAME OF LIBRARY	STAGES							
	1	2	3	4	5	6	7	8
COLORADO								
Earth Sciences Lib., Univ. of Colorado–Boulder [?]	✓	✓						
Engineering Lib., Univ. of Colorado–Boulder [?]	✓	✓	✓	✓	✓			
CONNECTICUT								
W. Connecticut State Univ., Danbury [?]	✓	✓		✓	✓			
DELAWARE								
Delaware State Coll., Dover [1991]								✓
Goldeg-Beacon Coll., Wilmington [1991]								
Widener Univ., Wilmington [1990]	✓	✓	✓	✓		✓	✓	✓
DISTRICT OF COLUMBIA								
Georgetown Univ. [1991]	✓	✓	✓	✓	✓	✓	✓	✓
National Defense University [1991]	✓	✓	✓	✓	✓	✓	✓	✓
FLORIDA								
Broward Community Coll., Coconut Creek [1991]	✓	✓	✓	✓	✓			
University of Florida, Gainesville [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Florida Internat. University, Miami [1993]	✓	✓	✓	✓	✓			
Univ. of West Florida, Pensacola [1994]	✓	✓						

NAME OF LIBRARY	STAGES							
	1	2	3	4	5	6	7	8
GEORGIA								
Paine College, Augusta [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Piedmont Coll., Demorest [1992]								
IDAHO								
North Idaho College, Coeur d'Alene [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Lewis Clark State Coll., Lewiston [1991]	✓	✓	✓	✓	✓	✓	✓	✓
University of Idaho, Moscow [1993]		✓	✓	✓	✓			
ILLINOIS								
DePaul University, Chicago [1992]						✓	✓	✓
INDIANA								
Indiana U–Purdue U, Indianapolis [1992]	✓	✓	✓	✓	✓	✓	✓	✓
IOWA								
St. Ambrose University, Davenport [1995]	✓	✓		✓				
Grand View College, Des Moines [1991]	✓	✓		✓	✓			
KENTUCKY								
Berea College [1991]							✓	✓
No. Kentucky Univ., Highland Heights [1993]			✓					
Pikeville College [1991]	✓	✓	✓	✓	✓			
LOUISIANA								
Xavier Univ., New Orleans [1992]	✓	✓	✓	✓	✓	✓		
MAINE								
LRC, Univ. of Maine, Augusta [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Univ. of New England, Biddeford [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Univ. of Southern Maine, Portland [1992]	✓	✓	✓	✓	✓			
MARYLAND								
Univ. of Maryland, College Park [1992]	✓	✓		✓	✓	✓		
Hood College, Frederick [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Univ. of Maryland, Princess Anne [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Western Maryland Coll., Westminster [1991]	✓	✓	✓	✓	✓	✓	✓	✓
MASSACHUSETTS								
Fine Arts Lib., Harvard, Cambridge [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Morse Institute, Natick [?]		✓						
Williams College, Williamstown [1993]	✓	✓	✓	✓	✓	✓		
Eastern Nazarene Coll., Wollaston [1991]	✓	✓	✓	✓	✓			
MICHIGAN								
Aquinas College, Grand Rapids [1992]	✓				✓			
Western Michigan Univ., Kalamazoo [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Olivet College [1992]	✓	✓	✓	✓	✓	✓	✓	✓
Saginaw Valley State Univ., Univ. Ctr. [1990]			✓				✓	
MINNESOTA								
Mankato State University [?]	✓	✓	✓	✓	✓	✓		
Univ. of Minnesota, Minneapolis [1996]		✓		✓				
MISSISSIPPI								
University of Mississippi, University [1994]	✓		✓					
MISSOURI								
Univ. of Missouri–Kansas City [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Drury College, Springfield [1992]	✓	✓	✓	✓	✓			
MONTANA								
Flathead Valley Community Coll., Kalispell [1990]	✓	✓	✓	✓	✓	✓	✓	✓
NEW JERSEY								
Caldwell College [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Glassboro State College [1993]	✓	✓	✓	✓	✓			
Montclair State, Upper Montclair [1993]	✓	✓	✓	✓	✓			
NEW MEXICO								
University of New Mexico, Albuquerque [1992]	✓		✓	✓	✓			
St. John's College, Sante Fe [1990]	✓	✓	✓	✓	✓	✓	✓	✓
NM Inst. of Mining & Tech., Socorro [1991]	✓	✓	✓	✓	✓	✓	✓	✓
NEW YORK								
SUNY–Albany [1995]	✓	✓	✓	✓	✓			
N.Y. State Coll. of Ceramics at Alfred [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Cornell University, Ithaca [1992]	✓	✓	✓	✓	✓	✓		
Baruch College, New York [?]						✓		
Rochester Institute of Technology [1991]	✓	✓	✓	✓	✓	✓	✓	✓
College of Staten Island [1993]	✓	✓	✓	✓	✓	✓		
Health Science Ctr., SUNY at Syracuse [1994]		✓			✓			
NORTH CAROLINA								
Guilford College, Greensboro [1990]	✓	✓	✓	✓	✓	✓	✓	✓
East Carolina Univ., Greenville [1993]	✓	✓	✓	✓	✓			
North Carolina State Univ., Raleigh [1990]								✓
NORTH DAKOTA								
Minot State University [1992]			✓			✓	✓	✓
OHIO								
Coll. of Law, Ohio State, Columbus [1992]						✓		
Miami Univ.–Middletown [1992]	✓	✓	✓					
OKLAHOMA								
Langston University [1990]								
Oklahoma State Univ., Stillwater [?]	✓							
OREGON								
Oregon Helath Sciences Univ., Portland [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Portland State University [1991]								✓
PENNSYLVANIA								
Univ. of Pittsburgh at Greenburg [1994]	✓	✓	✓	✓				
Pennsylvania State, Schuylkill Haven [?]	✓	✓	✓	✓	✓			
University of Scranton [1992]	✓	✓	✓	✓	✓	✓	✓	✓
York College of Pennsylvania [1990]	✓	✓	✓	✓	✓	✓	✓	✓
RHODE ISLAND								
Roger Williams College, Bristol [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Salve Regina College, Newport [1990]								✓
TENNESSEE								
David Lipscomb Univ., Nashville [1991]	✓	✓	✓	✓	✓	✓	✓	✓
TEXAS								
Lubbock Christian University [1991]	✓	✓	✓	✓	✓			
Texas Tech Univ., Lubbock [1992]	✓	✓						
UTAH								
University of Utah, Salt Lake City [1990]	✓	✓	✓	✓	✓	✓	✓	✓
VERMONT								
Middlebury College [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Norwich University, Northfield [1993]	✓	✓	✓	✓	✓			
VIRGINIA								
Longwood College, Farmville [1990]								✓
Ferrum College [1990]								✓
Washington & Lee Univ., Lexington [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Roanoke College, Salem [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Shenandoah Coll./Cnsrvtry., Winchester [1992]	✓	✓		✓	✓	✓		
WASHINGTON								
Washington State Univ., Pullman [1993–95]	✓	✓	✓	✓	✓			
University of Washington, Seattle [1990]								✓
Ctr. for Info & Technology, Gonzaga Univ. [1992]	✓	✓		✓	✓			
Crosby Lib., Gonzaga Univ., Spokane [1992]	✓	✓	✓	✓	✓			
Whitworth College, Spokane [1993]	✓	✓		✓	✓			
WEST VIRGINIA								
Davis & Elkins College, Elkins [1992]						✓		
WISCONSIN								
Morse Lib., Beloit College [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Viterbo College, LaCrosse [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Edgewood College, Madison [1990]						✓	✓	✓
Univ. of Wisconsin–Madison [1991]	✓	✓	✓	✓	✓	✓	✓	✓
WYOMING								
Univ. of Wyoming Law Lib., Laramie [?]				✓				
GUAM								
University of Guam, Margilao [1992]			✓	✓		✓	✓	✓

Public Library Projects

NAME OF LIBRARY	STAGES							
	1	2	3	4	5	6	7	8
ALABAMA								
Titusville Branch, Birmingham [1991]	✓	✓	✓	✓	✓	✓		
Washington Cty. PL, Chatom [1991]								✓
Carnegie Lib., Eufala [1990]								✓
Greenville-Butler Cty. PL [1990]		✓	✓	✓	✓			
Mobile PL [1991]	✓	✓	✓	✓	✓	✓		
Prichard PL [1991]				✓	✓			
ALASKA								
Skagway PL [1990]						✓	✓	✓
ARIZONA								
Mohave Cty. Lib., Kingman [1991]	✓	✓	✓	✓	✓			
Ironwood Branch Lib., Phoenix [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Maricopa Cty. PL Ctr., Phoenix [1990]	✓	✓	✓	✓		✓	✓	✓
Mesquite Branch Lib., Phoenix [?]	✓	✓	✓	✓	✓			
ARKANSAS								
Berryville Lib. [1990]	✓	✓	✓	✓		✓	✓	✓
Fayetteville PL [1991]	✓	✓	✓	✓	✓			
Stone Cty. Lib., Mountain View [1990]	✓	✓	✓	✓	✓			
Jackson County Lib., Newport [1990]	✓	✓	✓	✓	✓	✓	✓	✓
CALIFORNIA								
Agoura Hills Library [1992]	✓	✓		✓	✓			
Alameda Free Lib. [1993]	✓	✓		✓				
Frazier Park Branch, Bakersfield [?]	✓							
Northeast Branch, Bakersfield [?]	✓							
Rosamond Branch, Bakersfield [?]	✓							
Walter W. Stiern Lib., Bakersfield [1993]	✓	✓		✓	✓			
Tehachapi Branch, Bakersfield [?]	✓							
Brawley PL [1991]	✓	✓	✓	✓	✓			
Platt Branch, Canoga Park [1993]	✓	✓	✓	✓	✓			
Carlsbad City Lib. [1992]	✓	✓	✓	✓	✓			
El Camino Real Branch, Carlsbad [1992]					✓			
Georgina Cole Lib., Carlsbad [1993]	✓							
Chula Vista PL [1994]	✓							
Luque Branch, Colton [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Colusa Cty. Free Lib. [?]	✓							
Corona PL [1993]	✓	✓	✓	✓	✓	✓		
Coronado PL [1992]	✓							
Davis Branch Lib. [1992]	✓	✓	✓	✓	✓			
Descanso Branch Library [1991]	✓		✓	✓	✓			
El Cajon Regional Branch Lib. [1991]	✓	✓	✓	✓	✓	✓	✓	✓
El Segundo PL [1992]			✓	✓		✓	✓	✓
Suisun Branch, Fairfield [1991]	✓	✓	✓	✓	✓			
Vacaville Branch, Fairfield [1992]	✓	✓	✓	✓	✓			
Hacienda Heights Library [?]	✓							
San Benito Cty. Free Lib., Hollister [1993]	✓							
Huntington Beach PL [1992]	✓	✓		✓	✓			
Imperial PL [?]			✓		✓			
Lakeside Lib. Branch [1992]	✓	✓	✓		✓			
Lancaster Library [1993]	✓	✓		✓	✓			
Laton Lib. [1993]	✓							
Lawndale Library [?]	✓	✓		✓	✓			
Livermore PL [1991]	✓		✓					
Angeles Mesa Branch, Los Angeles [1994]	✓	✓	✓	✓				
Brentwood Branch, Los Angeles [1992]	✓	✓	✓	✓	✓			
Cahuenga Branch, Los Angeles [1995]	✓	✓	✓	✓	✓			
Felipe de Neve Branch, Los Angeles [1995]	✓	✓	✓	✓				
Lincoln Heights Branch, Los Angeles [1994]	✓	✓	✓	✓	✓			
Malabar Branch, Los Angeles [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Memorial Branch, Los Angeles [1994]	✓	✓	✓	✓				
John Muir Branch, Los Angeles [1993]	✓	✓	✓	✓	✓			
R.L. Stevenson Branch, Los Angeles [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Vermont Square Branch, Los Angeles [1994]	✓	✓	✓	✓				
Wilshire Branch, Los Angeles [1994]	✓	✓	✓	✓	✓			
Madera Cty. Lib. [1994]	✓							
Marina Del Rey Library [?]	✓	✓		✓				
Menlo Park Lib. [1992]					✓			
Stanislaus Cty. Free Lib., Modesto [1991]								✓
Nevada Cty. Lib., Nevada City [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Newbury Park Branch Lib. [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Newport Beach PL [1991]			✓	✓	✓			
Mid Valley Regional Branch, Northridge [1993]	✓	✓	✓	✓	✓			
Porter Ranch Branch, Northridge [1993]	✓	✓	✓	✓				
Asian Branch Library, Oakland [1992]	✓	✓	✓	✓	✓	✓		
Brookfield Village Branch, Oakland [1992]	✓	✓	✓	✓	✓	✓		
Rockridge Branch, Oakland [1993]	✓	✓						
Oxnard PL [1992]	✓	✓	✓	✓	✓	✓	✓	✓
Pacific Grove PL [1992]	✓			✓				
Palmdale City Lib. [1995]				✓	✓			
Paso Robles PL [1993]	✓	✓		✓	✓			
Special Collections, Paso Robles [1992]		✓	✓	✓	✓			
El Dorado Cty. Lib., Placerville [1992]	✓	✓	✓	✓	✓			
Clayton Branch, Pleasant Hill [1992]	✓							
Concord Branch, Pleasant Hill [1993]	✓							
Danville Branch, Pleasant Hill [1992]					✓			
Hercules Branch, Pleasant Hill [1995]	✓							
Poway Branch Lib. [1992]	✓		✓					
Ramona Branch Lib. [1990]	✓	✓	✓	✓	✓	✓		
Palos Verdes Lib. Dist., Rolling Hills Estates [1993]				✓	✓			
Maidu Branch Lib., Roseville [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Arden Lib., Sacramento [1998]	✓							
California State Lib. Annex, Sacramento [?]	✓	✓		✓	✓			
Carmichael Lib., Sacramento [1995]	✓							
Central Lib., Sacramento [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Cooledge Lib., Sacramento [1992]	✓	✓		✓	✓			
Elk Grove Lib., Sacramento [1993]	✓			✓	✓			
Folsom Lib., Sacramento [2000]	✓							
Franklin-Laguna Lib., Sacramento [2000]	✓							
McKinley Lib., Sacramento [1996]	✓							
N. Highlands/Antelope Lib., Sacramento [1993]	✓							
North Natomas Lib., Sacramento [2010]	✓							
N. Sacramento/Hagginwood Lib., Sacramento [2005]	✓							
South Natomas Lib., Sacramento [1995]	✓							
Valley-Hi Lib., Sacramento [2000]	✓							
St. Helena PL [1992]				✓	✓	✓		
Calaveras Cty. Lib., San Andreas [1993]		✓						
Mira Mesa Lib., San Diego [1992]	✓	✓	✓	✓				
No. City W. Lib., San Diego [1992]	✓	✓	✓	✓	✓			
Pacific Beach Lib., San Diego [?]	✓	✓	✓	✓	✓			
Point Loma Lib., San Diego [?]	✓	✓	✓	✓	✓			
Rancho Penasquitos Lib., San Diego [1992]	✓	✓	✓	✓	✓	✓		
Rancho San Diego Lib. [1995]	✓	✓	✓	✓	✓	✓		
Scripps Miramar Ranch Lib., San Diego [1992]	✓	✓	✓	✓	✓			
Valencia Park Lib., San Diego [?]	✓							
San Francisco PL [1995]	✓	✓	✓	✓	✓			
West Valley Branch, San Jose [1992]					✓			
San Marcos Branch [1992]	✓	✓	✓					
San Rafael/Marin Cty. Lib. [1995]		✓		✓	✓			
Bear Mtn. Lib., Squaw Valley [1993]	✓	✓						
Temecula Library [1990]								
Sunland-Tujunga Branch, Tujunga [1994]	✓	✓	✓	✓				
Venice Branch Lib. [1991]	✓	✓	✓	✓	✓			
Westlake Village Lib. [?]	✓	✓						
Whittier PL [1992]	✓							

NAME OF LIBRARY	STAGES 1	2	3	4	5	6	7	8
Yolo Cty. Lib., Woodland [1991]	✓	✓	✓	✓	✓			
Yorba Linda PL [1991]			✓	✓	✓	✓	✓	✓
COLORADO								
Boulder PL [1991]	✓	✓	✓	✓	✓	✓		
Reynolds Branch, Boulder [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Estes Park PL [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Jefferson Cty. PL, Lakewood [1991]	✓	✓	✓	✓	✓	✓	✓	✓
CONNECTICUT								
Babcock Lib., Ashford [1992]	✓	✓		✓	✓			
Derby PL [1994]	✓	✓	✓	✓	✓	✓	✓	✓
Fairfield Woods PL [1990]	✓	✓	✓	✓		✓	✓	✓
New Canaan Lib. [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Seymour PL [?]	✓	✓			✓			
Plumb Memorial Lib., Shelton [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Gunn Memorial Lib., Washington [1992]	✓	✓		✓				
Weston PL [1991]	✓	✓		✓	✓			
DELAWARE								
Claymont PL [1991]	✓		✓					
Hockessin PL [1993]	✓	✓	✓					
Milton PL [1990]			✓					
FLORIDA								
Hugh Embry Lib., Dade City [1991]	✓	✓	✓	✓				✓
Volusia Cty. PL, Daytona Beach [1991]	✓	✓	✓	✓	✓	✓		
Deerfield Beach Branch [1991]	✓	✓	✓	✓	✓	✓		
Columbia Cty. PL, Lake City [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Land O'Lakes Branch Lib. [1991]	✓	✓	✓	✓				✓
Mary Esther PL [1991]	✓	✓	✓	✓	✓			
Miami Beach Branch Lib. [1990]	✓	✓	✓	✓	✓	✓	✓	✓
No. Shore Library, Miami [1990]								✓
W. Kendall Regional Lib., Miami [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Collier Cty. PL, Naples [1991]	✓	✓	✓	✓	✓	✓		
New Port Richey PL [1991]						✓	✓	✓
Interlachen Branch, Palatka [1991]	✓	✓	✓	✓	✓			
Putnam Cty. Lib. System, Palatka [1992]	✓	✓	✓	✓	✓			
Palm Bay PL [1991]	✓	✓	✓	✓	✓	✓		
Northwest Branch, Ponte Vedra Beach [1992]	✓	✓	✓	✓	✓			
Regency Pk. Branch Lib., Port Richey [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Satellite Beach PL [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Sebring PL [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Sunrise Branch Library [1991]	✓	✓	✓	✓	✓	✓		
Indian River Cty. Main Lib., Vero Beach [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Blomeyer Lib., West Palm Beach [1990]	✓	✓	✓		✓	✓		
New River Branch Lib., Zephyrhills [1991]	✓	✓	✓	✓				✓
GEORGIA								
Adairsville Lib. [1995]	✓	✓						
Tallulah Massey Branch Lib., Albany [1992]			✓					
Athens Regional Lib. [1991]	✓	✓	✓	✓	✓	✓		
Auburn Avenue Lib., Atlanta [1992]	✓	✓	✓	✓	✓			
Briarcliff Branch, Atlanta [1990]	✓	✓	✓	✓		✓	✓	✓
Brookhaven Branch, Atlanta [1990]	✓		✓	✓		✓	✓	✓
Central Library, Atlanta [1992]	✓	✓	✓	✓				
Cleveland Avenue Lib., Atlanta [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Dogwood Lib., Atlanta [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Gresham Branch, Atlanta [1990]	✓	✓	✓	✓		✓	✓	✓
West End Library, Atlanta [1992]	✓	✓	✓	✓	✓			
West Hunter Library, Atlanta [1992]	✓	✓	✓	✓	✓	✓		
SW Georgia Regional Lib., Bainbridge [1993]	✓	✓		✓	✓			
Marion Cty. PL, Buena Vista [1990]								✓
R.T. Jones Memorial Lib., Canton [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Neva Lomason Memorial Lib., Carrollton [1992]	✓			✓				
Embry Hills Library, Chamblee [1990]	✓	✓	✓	✓		✓	✓	✓
Chickamauga PL [1991]	✓	✓	✓	✓	✓			
Clarkston Branch [1990]	✓	✓	✓	✓		✓	✓	✓

NAME OF LIBRARY	STAGES 1	2	3	4	5	6	7	8
South Fulton Lib., College Park [1992]	✓	✓	✓	✓	✓	✓		
Paulding County PL, Dallas [1990]								✓
Scott Candler Branch, Decatur [1990]	✓		✓	✓		✓	✓	✓
Covington Branch, Decatur [1990]	✓	✓	✓	✓		✓	✓	✓
Decatur Lib. [1992]	✓	✓	✓	✓		✓		
Flat Shoals Branch, Decatur [1990]	✓	✓	✓	✓		✓	✓	✓
South DeKalb Mall Branch, Decatur [1990]	✓		✓			✓		✓
Wesley Chapel Branch, Decatur [1990]	✓	✓	✓	✓		✓	✓	✓
Harris County PL, Hamilton [?]	✓	✓	✓	✓	✓			
Helen Branch Lib. [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Hogansville PL [1991]						✓	✓	✓
Banks County PL, Homer [?]	✓	✓	✓	✓	✓			
Jackson-Butts Cty. PL, Jackson [1991]	✓	✓	✓	✓	✓	✓		
Jefferson PL [?]	✓	✓	✓	✓	✓			
Cherokee Regional Lib., Lafayette [1991]	✓	✓	✓	✓	✓	✓		
Lithonia Lib. [1991]	✓	✓						
Salem/Panola Lib., Lithonia [1990]	✓	✓	✓	✓		✓	✓	✓
Louisville PL [1992]	✓	✓	✓	✓	✓			
Nelle Brown PL, Lyons [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Maysville PL [?]	✓	✓	✓	✓	✓			
Montezuma PL [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Morrow Branch Library [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Redan Branch [1990]	✓	✓	✓	✓		✓	✓	✓
Reidsville PL [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Smyrna PL [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Echols Cty. Lib., Statenville [1991]			✓	✓	✓			
Hairston Crossing, Stone Mountain [1990]	✓	✓	✓	✓		✓	✓	✓
Haralson Cty. Civic Lib., Tallapoosa [1990]								✓
Trion PL [1991]	✓	✓		✓	✓			
Northlake Branch, Tucker [1990]	✓	✓	✓	✓		✓	✓	✓
McMullen Memorial Lib., Valdosta [1991]			✓	✓	✓			
Valdosta-Lowndes Cty. PL [1992]		✓		✓	✓			
Ohoopee Regional Lib., Vidalia [1991]	✓	✓	✓	✓	✓	✓		
Villa Rica PL [1991]	✓	✓		✓		✓		
Bedingfield-Pritchard PL, Wadley [1991]	✓	✓	✓	✓	✓	✓		
McCollum PL, Wrens [1991]	✓	✓	✓	✓	✓	✓		
IDAHO								
Ashton PL [1990]	✓	✓	✓	✓	✓		✓	✓
Buhl PL [1991]	✓	✓	✓	✓	✓			
Challis PL [1990]			✓	✓		✓		
Mullan PL [1991]		✓			✓			
E. Bonner Cty. PL, Sandpoint [?]	✓							
Twin Falls PL [1991]	✓	✓	✓	✓	✓	✓	✓	✓
ILLINOIS								
Ashland PL District [1991]		✓	✓	✓	✓	✓		
Astoria PL District [1991]	✓	✓	✓	✓	✓	✓		
Barrington PL District [1992]			✓	✓	✓			
Breese PL [?]		✓	✓	✓		✓		
Atgeld Gardens Reading Ctr., Chicago [1991]	✓	✓	✓	✓	✓			
Auburn/Hamilton Park Branch Lib., Chicago [?]	✓	✓	✓	✓	✓			
Chicago Bee Building [1992]	✓	✓	✓	✓	✓			
Chinatown Branch, Chicago [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Clearing Branch Lib., Chicago [1992]	✓	✓	✓	✓	✓			
Hegewisch Branch, Chicago [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Legler Branch Library, Chicago [1992]	✓	✓	✓	✓	✓	✓		
McKinley Park Branch Lib., Chicago [1992]	✓	✓	✓	✓	✓			
Mount Greenwood Branch, Chicago [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Near West Side Branch Lib., Chicago [1992]	✓	✓	✓	✓	✓			
North Austin Branch Lib., Chicago [1992]	✓	✓	✓	✓	✓			
N. Pulaski/Humboldt Park Lib., Chicago [1992]	✓	✓	✓	✓	✓			
Portage-Cragin Branch, Chicago [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Pullman Branch Lib., Chicago [1992]	✓	✓	✓	✓	✓			

NAME OF LIBRARY	STAGES 1	2	3	4	5	6	7	8
South Chicago Branch Lib. [1992]	✓	✓	✓	✓	✓			
Uptown Branch Library, Chicago [1992]	✓	✓	✓	✓	✓			
Walker Branch Lib., Chicago [1992]	✓	✓	✓	✓	✓			
Woodlawn-Washington Pk., Chicago [1992]	✓	✓	✓	✓	✓			
Vespasian Warner PL Dist., Clinton [1992]	✓	✓	✓	✓	✓			
Coal City PL District [1991]	✓	✓	✓	✓	✓	✓		
Eldorado Memorial PL District [1991]	✓	✓	✓	✓	✓			
Fairview Heights PL [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Flora PL [1990]	✓	✓	✓	✓	✓			
Lacon PL Dist. [1990]	✓	✓	✓			✓	✓	✓
Ela Area PL, Lake Zurich [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Litchfield Carnegie PL [1992]	✓	✓		✓	✓			
Maquon PL District [1991]	✓	✓	✓	✓	✓			
Midlothian PL [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Kitchell Memorial Lib., Morrisonville [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Oak Lawn PL [1991]	✓	✓	✓	✓	✓			
Palatin PL [1992]	✓	✓	✓	✓	✓			
Paris Carnegie PL [1991]				✓	✓			
Plainfield PL District [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Pontiac PL [?]	✓							
Prospect Heights PL [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Quincy PL [1991]	✓	✓	✓	✓	✓	✓	✓	
Seneca PL District [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Westmont PL [1991]			✓	✓		✓	✓	✓
INDIANA								
Monroe County PL, Bloomington [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Bluffton-Wells Cty. PL [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Bremen PL [1991]	✓	✓		✓		✓		
Delphi PL [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Gary PL [1990]								✓
Library Svcs. Ctr., Indianapolis [1992]	✓	✓	✓	✓	✓			
Kokomo-Howard Cty. PL [1990]	✓	✓	✓	✓	✓	✓	✓	✓
La Porte County PL [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Tippecanoe Cty. PL, Lafayette [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Lebanon PL [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Marion PL [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Monticello-Union Twp. PL [1992]				✓	✓	✓		
Pendleton Community Lib. [1991]	✓	✓		✓		✓	✓	✓
Jasper Cty. PL, Rensselaer [1992]	✓	✓		✓	✓			
Crothersville Branch, Seymour [1991]	✓	✓	✓	✓	✓			
Jackson Cty. PL, Seymour [1992]	✓	✓	✓	✓	✓			
Medora Branch, Seymour [1991]	✓	✓	✓	✓	✓			
Speedway PL [1991]	✓	✓	✓	✓		✓	✓	✓
Syracuse-Turkey Creek Twp. PL [1990]	✓	✓	✓	✓		✓	✓	✓
Switzerland Cty. PL, Vevay [1991]	✓		✓	✓	✓			
IOWA								
Ericson PL, Boone [1992]	✓	✓	✓	✓	✓			
Cresco PL [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Grand Junction PL [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Hawarden PL [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Newton PL [1992]	✓	✓	✓	✓	✓	✓		
Rock Valley PL [1991]			✓	✓		✓	✓	✓
Ventura PL [1991]	✓	✓		✓				
KENTUCKY								
Mercer Cty PL, Harrodsburg [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Lexington PL [1992]	✓	✓	✓	✓				
Casey Cty. PL, Liberty [?]	✓	✓	✓	✓				
Madison Cty. PL, Richmond [1990]	✓	✓	✓	✓	✓	✓	✓	✓
LOUISIANA								
Breaux Bridge Branch [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Ascension Parish Lib., Galvez [1991]							✓	✓
W. Bank Regional Lib., Harvey [1990]	✓	✓	✓	✓	✓	✓	✓	✓
MAINE								
Buck Memorial Lib., Bucksport [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Ellsworth City Lib. [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Calcasieu Parish PL, Lake Charles [1993]	✓	✓	✓					

NAME OF LIBRARY	STAGES 1	2	3	4	5	6	7	8
MARYLAND								
Caroline Cty. PL, Denton [1992]	✓	✓	✓	✓	✓	✓		
Mt. Airy Branch Lib. [1991]	✓	✓	✓	✓	✓	✓		
Whiteford Branch Lib. [1991]								✓
MASSACHUSETTS								
Amesbury PL [1991]	✓		✓	✓	✓	✓		
Jones Library, Amherst [1992]								✓
Robbins Lib., Arlington [1992]	✓	✓	✓	✓	✓			
Attleboro PL [1992]	✓	✓	✓	✓	✓			
Beverly PL [?]	✓	✓		✓	✓			
Boston PL [1995]	✓	✓	✓	✓	✓	✓		
Chilmark PL [?]	✓	✓		✓	✓			
Parlin Memorial Lib., Everett [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Fitchburg PL [1992]	✓	✓	✓	✓	✓	✓	✓	✓
Hanson PL [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Hubbard Memorial Lib., Ludlow [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Lynnfield PL [1991]	✓	✓	✓	✓	✓			
Abbot PL, Marblehead [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Newton Free Library [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Flint Memorial Lib., No. Reading [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Dickinson Memorial Lib., Northfield [?]	✓							
Plymouth PL [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Rockland Memorial Library [1992]	✓	✓	✓	✓	✓	✓		
Southwick PL [?]	✓							
Littlefield Lib., Tyngsboro [?]	✓	✓						
Waltham PL [1993]	✓	✓	✓	✓	✓			
Wareham Free Library [1990]	✓	✓	✓	✓	✓	✓	✓	✓
West Tisbury Free PL [1991]	✓	✓	✓	✓	✓			
Weston PL [1993]	✓	✓		✓	✓			
Westwood PL [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Meekins Lib., Williamsburg [1990]							✓	✓
MICHIGAN								
Delton District Lib. [?]	✓	✓		✓	✓			
Escanaba PL [?]	✓							
Genesee District Lib., Flint [?]	✓			✓	✓			
Howell Carnegie Dist. Lib. [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Kalamazoo PL [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Galesburg Memorial Lib. [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Morton Twp. Lib., Mecosta [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Egelston Branch, Muskegon [1991]	✓	✓	✓	✓	✓	✓		
New Buffalo PL [1990]					✓	✓	✓	✓
Petoskey PL [1992]	✓	✓		✓				
Richmond PL [?]	✓			✓				
Rochester Hills PL [1992]	✓	✓	✓	✓	✓			
Presque Isle Cty. Lib., Rogers City [1992]	✓							
Sturgis PL [1992]	✓							
Peninsula Community Lib., Traverse City [?]	✓							
Dalton Branch Lib., Twin Lake [1991]	✓	✓	✓	✓	✓	✓		
Walker Branch Lib. [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Wixom PL [1991]	✓	✓	✓	✓	✓	✓		
MINNESOTA								
Dakota Cty. Lib., Apple Valley [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Northtown-Central Lib., Blaine [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Luther Park Branch Lib., Duluth [1992]	✓	✓	✓					
West Duluth Branch, Duluth [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Woodlan Branch Lib., Duluth [1992]	✓	✓	✓					
Hinckley Branch Lib. [1990]	✓							
Princeton Branch Lib. [1991]	✓	✓		✓				
MISSISSIPPI								
Batesville PL [1991]	✓	✓	✓	✓	✓			
Itawamba Cty. Lib., Fulton [1991]	✓	✓	✓	✓	✓			
Morton PL [1991]	✓	✓	✓	✓	✓	✓		
Armstrong Lib., Natchez [1991]	✓	✓	✓	✓	✓			
Pass Christian PL [1991]	✓	✓	✓	✓	✓			
Ridgeland PL [1991]	✓	✓	✓	✓	✓	✓		
Ricks Memorial Lib., Yazoo City [1990]	✓	✓	✓	✓	✓	✓	✓	✓

NAME OF LIBRARY	STAGES							
	1	2	3	4	5	6	7	8
MISSOURI								
Cameron PL [1990]	✓	✓	✓		✓	✓	✓	✓
Flat River PL [?]	✓	✓	✓	✓	✓	✓	✓	✓
Scotland Cty. PL, Memphis [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Mexico-Ackrain Cty. Lib. Dist. [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Carnegie Lib., St. Louis [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Julia David Branch Lib., St. Louis [1991]	✓	✓	✓	✓	✓			
Natural Bridge Branch, St. Louis [1991]	✓		✓					
Spencer Rd. Branch Lib., St. Peters [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Grundy Cty.-Jewett Norris Lib., Trenton [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Scenic Regional Lib., Union [1991]	✓	✓	✓	✓		✓	✓	✓
MONTANA								
Wedsworth Memorial Lib., Cascade [1991]	✓	✓	✓	✓	✓	✓		
Marion Branch Lib., Kalispell [1991]	✓		✓					
Daniels Cty. Lib., Scobey [1990]			✓			✓	✓	✓
Meagher Cty. Lib., White Sulphur Springs [1990]		✓	✓	✓	✓	✓		
NEVADA								
Elko Cty. Lib. [1991]			✓	✓		✓	✓	
Round Mountain Library [1990]								✓
NEW HAMPSHIRE								
Silsby Library, Acworth [1992]	✓	✓	✓	✓	✓	✓	✓	✓
Barrington PL [1990]	✓		✓		✓			
Brookline PL [?]	✓			✓	✓			
Chesterfield PL [1994]	✓							
Colebrook PL [1990]					✓			
Derry PL [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Mt. Caesar Union Lib., E. Swanzey [1990]	✓		✓	✓		✓	✓	✓
Epsom PL [?]	✓				✓			
Goffstown PL [1992]	✓							
Fuller PL, Hillsboro [?]	✓							
Hills Memorial Lib., Hudson [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Laconia PL [1991]	✓	✓	✓	✓	✓			
Madison Lib. [1993]	✓							
Radham Memorial Lib., Marlborough [2000]	✓			✓				
Monroe PL [?]	✓							
Tracy Memorial Lib., New London [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Chesley Memorial Lib., Northwood [1992]	✓							
Plymouth PL [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Dudley-Tucker Lib., Raymond [?]	✓	✓		✓	✓	✓		
Rye PL [?]	✓							
Somersworth PL [?]	✓							
Wiggin Memorial Lib., Stratham [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Mansfield Library, Temple [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Pillsbury Free Lib., Warner [1992]	✓			✓	✓			
Webster PL [1991]	✓	✓	✓					✓
Wilmot PL, Wilmot Center [1990]	✓	✓	✓	✓	✓	✓	✓	✓
NEW JERSEY								
Berkeley Branch, Bayville [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Brick Twp. Branch [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Lacey Twp. Branch, Forked River [1991]	✓	✓	✓	✓	✓			
Savitz Lib., Glassboro [1993]			✓	✓	✓			
Mount Laurel Lib. [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Old Bridge PL [1990]	✓	✓	✓	✓	✓	✓	✓	✓
NEW MEXICO								
Thomas Branigan Lib., Las Cruces [1991]	✓	✓	✓	✓	✓	✓		
Lovington PL [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Ruidoso PL [1990]	✓	✓	✓	✓	✓	✓	✓	✓
NEW YORK								
Broome County PL, Binghamton [?]	✓	✓						
Bayport-Blue Point PL, Blue Point [1991]	✓	✓	✓	✓	✓	✓		
Sedgwick Branch, Bronx [1992]	✓	✓	✓	✓	✓			
W. Farms Branch, Bronx [?]	✓	✓	✓	✓				
[illegible]ighton Beach Branch, Brooklyn [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Brooklyn Heights/Busines Lib. [1992]	✓	✓	✓	✓	✓			
Brower Park Branch, Brooklyn [1990]	✓	✓	✓	✓	✓	✓	✓	✓

NAME OF LIBRARY	STAGES							
	1	2	3	4	5	6	7	8
Clarendon Branch, Brooklyn [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Cypress Hills Branch, Brooklyn [1992]	✓	✓	✓	✓	✓			
Homecrest Branch, Brooklyn [?]					✓			
McKinley Park Branch, Brooklyn [1992]	✓	✓	✓	✓	✓			
Burnt Hills-Ballston Lake Comm. Lib. [1992]	✓							
Canajoharie Library [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Lang Memorial Lib., Cato [1991]	✓							
Clifton Springs Library [1990]	✓	✓	✓	✓	✓	✓		✓
Northport-E. Northport PL, E. Northport [1992]	✓				✓			
Eden Library [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Floral Park PL [1991]	✓	✓	✓	✓	✓	✓		
Guilderland PL [1992]					✓	✓		
Hamburg PL [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Haverstraw King's Daughters PL [1992]	✓							
Highland PL [?]	✓							
Island Park PL [?]	✓				✓			
Tompkins Cty. PL, Ithaca [1991]				✓	✓			
Katonah Village Library [1991]	✓			✓	✓			
Lewiston PL [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Lynbrook PL [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Montauk Library [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Aguilar Branch, New York [?]	✓	✓						
Library for the Blind & Physically Handicapped, New York [1991]	✓	✓	✓	✓	✓	✓		
96th St. Regional Branch, New York [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Riverside Branch, New York [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Tompkins Square Branch, New York [1992]	✓	✓	✓	✓	✓			
Washington Heights Branch, New York [1990]	✓	✓	✓	✓	✓	✓		
Newark PL [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Oceanside Free Library [?]	✓							
Oyster Bay-East Norwich PL [1992]	✓	✓	✓	✓		✓		
Pearl River PL [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Piermont PL [1993]	✓			✓				
Rockville Centre PL [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Sherburne PL [?]	✓							
Mastics-Moriches-Shirley PL, Shirley [1992]	✓			✓				
Hart Memorial Library, Shrub Oak [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Sidney Memorial PL [?]	✓			✓	✓			
Southold Free Library [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Spencer Lib. [1991]	✓							
Great Kills Branch, Staten Island [1991]	✓	✓	✓					
Todt Hill Branch, Staten Island [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Tottenville Branch, Staten Island [1991]	✓							
Tappan Lib. [1992]	✓			✓	✓			
Tuxedo Park Library [?]	✓							
Vestal PL [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Moffat Lib., Washingtonville [1991]	✓			✓	✓			
White Plains PL [1991]	✓	✓	✓	✓	✓			
Yonkers PL [1993]	✓	✓		✓				
NORTH CAROLINA								
Bethel PL [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Phillip Leff Memorial Lib., Beulaville [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Bunn Branch Lib. [1991]	✓	✓	✓	✓	✓	✓	✓	
Durham Cty. Lib. [1991]	✓	✓	✓	✓				
Rockingham Cty. PL, Eden [?]	✓	✓	✓	✓	✓			
Cliffdale Branch, Fayetteville [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Macon County PL, Franklin [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Gates County PL, Gatesville [1991]	✓	✓	✓	✓	✓	✓	✓	
Henderson Cty. Lib., Hendersonville [1991]	✓	✓	✓	✓	✓	✓	✓	✓
LaGrange Branch Lib., Kinston [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Maiden Branch Lib. [1990]	✓	✓	✓	✓	✓	✓		
New Bern-Craven Cty. PL [1991]	✓	✓	✓	✓		✓	✓	✓
Warsaw-Kornegay Lib., Warsaw [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Myrtle Grove Lib., Wilmington [1991]					✓			
Winterville Lib. [1991]	✓	✓	✓	✓	✓			

NAME OF LIBRARY	STAGES 1	2	3	4	5	6	7	8
NORTH DAKOTA								
Bottineau Cty. PL [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Enderlin Municipal Lib. [1991]	✓			✓	✓			
OHIO								
Arcanum PL [?]	✓			✓				
Aurora Memorial Lib. [1991]								✓
Clermont Cty. Lib., Batavia [1992]				✓	✓			
Bedford Branch Lib. [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Brecksville Branch Lib. [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Brooklyn Branch Lib. [?]	✓	✓	✓	✓	✓	✓		
Madeira Branch, Cincinnati [1992]	✓		✓	✓	✓			
Sharonville Branch, Cincinnati [1992]	✓	✓	✓	✓	✓			
Symmes Twp. Regional, Cincinnati [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Foundation Ctr. Lib., Cleveland [1991]	✓							
Columbiana PL [1991]	✓	✓	✓	✓	✓	✓		
Columbus Metropolitan Library [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Duncan Falls Branch Lib. [1991]	✓	✓	✓	✓	✓			
East Cleveland PL [1991]								✓
East Palestine Memorial PL [1992]	✓	✓		✓	✓			
Elyria PL [?]	✓							
Fairborn PL [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Findlay-Hancock County PL, Findlay [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Clark Memorial Branch, Freeport [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Galion PL [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Bossard Library, Gallipolis [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Southwest PL, Grove City [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Independence Branch Lib. [1991]	✓	✓	✓	✓	✓			
Vinton Cty. Wescoat Lib., McArthur [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Mason PL [?]	✓				✓			
Mentor PL [1990]	✓	✓	✓	✓	✓	✓	✓	✓
New Bremen Lib. [1990]	✓	✓	✓	✓	✓	✓	✓	✓
New Concord Branch Lib. [1990]	✓	✓	✓	✓		✓	✓	✓
New Madison PL [1991]						✓		
Tuscarawas Cty. PL, New Philadelphia [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Newcomerstown PL [1990]								✓
Oberlin PL [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Oxford Lane Lib., Oxford [1991]								✓
Parma-Snow Branch, Parma [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Paulding Cty. Carnegie PL [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Port Clinton PL [1991]					✓	✓		
Shadyside PL [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Marvin Memorial Lib., Shelby [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Schiappa Branch, Steubenville [1992]	✓	✓	✓	✓	✓			
Tipp City PL [1991]	✓		✓	✓	✓			
Toledo-Lucas Cty. PL [?]	✓	✓	✓	✓	✓	✓	✓	✓
Toronto Branch Lib. [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Willoughby Eastlake PL, Willoughby [1992]	✓	✓		✓				
Wayne Cty. PL [1991]			✓	✓		✓	✓	✓
Muskingum Cty. Lib. System, Zanesville [1991]	✓	✓	✓	✓		✓	✓	✓
OKLAHOMA								
Anadarko Community Lib. [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Barnsdall PL [1990]	✓	✓	✓	✓	✓	✓	✓	
Bartlesville PL [1991]	✓	✓	✓	✓	✓			
Chelsea Library [1990]								✓
Slief Memorial Lib., Cheyenne [1992]	✓	✓		✓				
Will Rogers Lib., Claremore [1991]	✓	✓	✓	✓	✓			
Clinton PL [1991]	✓	✓		✓				
Glenpool Lib. [1992]	✓	✓	✓					
Carnegie Lib., Guthrie [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Konowa Library [1991]	✓	✓	✓	✓	✓	✓		
Lib. for Blind & Physically Handicapped, Oklahoma City [1991]			✓	✓		✓	✓	✓
Owasso Library [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Perry Carnegie Lib. [1991]	✓	✓	✓	✓	✓	✓		

NAME OF LIBRARY	STAGES 1	2	3	4	5	6	7
South Tulsa Library, Tulsa [1991]	✓	✓	✓	✓	✓	✓	✓
Waurika PL [1990]	✓	✓	✓	✓	✓	✓	✓
Weatherford PL [1991]	✓	✓		✓			
Wewoka PL [1991]	✓	✓	✓	✓	✓	✓	✓
OREGON							
Canby PL [1990]	✓	✓	✓	✓	✓	✓	✓
Corvallis-Benton County PL [1992]	✓	✓	✓	✓		✓	
Dallas PL [1990]	✓	✓	✓	✓	✓	✓	✓
Eugene PL [1992]	✓	✓		✓	✓		
Siuslaw PL, Florence [1990]	✓	✓	✓	✓	✓	✓	✓
Douglas Cty. Lib. System, Roseburg [1992]	✓						
Toledo PL [1992]				✓	✓		
PENNSYLVANIA							
Allentown PL [1990]	✓	✓	✓	✓	✓	✓	✓
Lower Providence Community Library, Audubon [1993]	✓						
Bradford Area PL [1991]	✓	✓	✓	✓	✓	✓	
Abington Community Lib., Clarks Summit [1992]	✓	✓	✓	✓	✓		
Donora PL [?]	✓						
Adams Cty. Central Lib., Gettysburg [1991]	✓	✓	✓	✓	✓	✓	
E. Shore Area Lib., Harrisburg [1991]	✓	✓	✓	✓	✓	✓	
Huntingdon Valley Lib. [1993]	✓						
Indiana Free Lib. [1992]	✓	✓	✓	✓	✓	✓	
Highland Community Lib. [1991]	✓	✓	✓	✓	✓	✓	✓
People's Lib., Lower Burrell [?]	✓			✓	✓		
Cranberry PL, Mars [1990]	✓	✓	✓	✓	✓	✓	✓
Morgantown Village Lib. [1990]	✓	✓	✓	✓	✓	✓	✓
Wadsworth Ave. Branch, Philadelphia [1990]	✓	✓	✓	✓	✓	✓	✓
Brentwood Lib., Pittsburgh [1991]	✓	✓	✓	✓	✓	✓	✓
Brookline Branch, Pittsburgh [1990]							
Wilbur F. Gingrich Lib., Reading [1993]	✓	✓			✓		
Upper Perkiomen Valley Lib., Red Hill [1991]	✓		✓		✓		
RHODE ISLAND							
Cross Mills PL, Charlestown [1991]				✓		✓	
Cumberland PL [1994]	✓						
Greenville PL [1991]	✓	✓	✓	✓	✓	✓	✓
Jamestown Philomenian Lib. [1992]					✓		
Kingston Free Lib., Kingston [1991]	✓	✓	✓				
Portsmouth Free PL [1991]	✓	✓	✓	✓	✓	✓	✓
Hale Lib., Wakefield [1991]	✓	✓	✓				
West Warwick PL System [1991]	✓	✓	✓	✓	✓	✓	✓
Westerly PL [1991]	✓	✓	✓	✓	✓	✓	✓
SOUTH CAROLINA							
Anderson Cty. Lib. [1991]	✓		✓				
Beaufort County Lib. [?]	✓	✓	✓	✓	✓	✓	✓
Blythewood Branch Lib. [1991]	✓	✓	✓	✓	✓		
Headquarters Lib., Charleston [1994]	✓	✓		✓			
St. Andrews Regional Branch, Charleston [1991]	✓	✓	✓	✓	✓	✓	✓
Richland Cty. PL, Columbia [1992]	✓	✓	✓	✓	✓		
Southeast Regional Branch, Columbia [1991]	✓	✓	✓	✓	✓		
Symmes Branch Lib., Greenville [1990]	✓	✓	✓	✓	✓	✓	✓
Midland Valley Branch, Langley [1991]	✓	✓		✓	✓		
Laurens County Library [1990]	✓	✓	✓	✓	✓	✓	✓
Mt. Pleasant Regional Branch [1991]	✓	✓	✓	✓	✓	✓	✓
Dorchester Rd. Regional, N. Charleston [1991]	✓	✓	✓	✓	✓	✓	✓
Otranto Rd. Regional, N. Charleston [1991]	✓	✓	✓	✓	✓	✓	✓
Spartanburg County PL [1991]	✓	✓	✓	✓	✓	✓	✓
W. Columbia/Cayce Lib. [1991]				✓			
TENNESSEE							
Southeast Branch Lib., Antioch [1991]	✓	✓	✓	✓		✓	✓
Sullivan Cty. Lib., Blountville [?]		✓	✓	✓	✓	✓	
Brownsville-Haywood Cty. Lib. [1991]	✓		✓				
Bicentennial Library, Chattanooga [1990]	✓	✓	✓	✓	✓	✓	✓
Sequatchie County, Dunlap [1991]	✓	✓	✓	✓	✓		

NAME OF LIBRARY	STAGES 1	2	3	4	5	6	7	8
Elizabethton PL [1992]	✓	✓	✓	✓	✓			
Gleason PL [1991]								✓
Gray Branch Lib. [1992]	✓	✓	✓	✓				
Porter Lib., Greenfield [1991]	✓	✓	✓	✓	✓			
Hendersonville PL [?]	✓	✓	✓	✓	✓			
Kingston City Lib. [1991]	✓	✓	✓					
Knox Cty. PL System, Knoxville [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Macon County Library, Lafayette [1991]		✓	✓	✓	✓			
Lake City PL [1991]	✓	✓	✓	✓	✓	✓	✓	✓
North Memphis Branch, Memphis [1992]	✓	✓	✓	✓	✓			
Pkwy. Village/Fox Meadows, Memphis [1993]	✓	✓	✓	✓				
W.G. Rhea Lib., Paris [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Bledsoe Cty. PL, Pikeville [1991]	✓	✓	✓	✓				
Spring Hill Lib. [1991]	✓	✓	✓	✓	✓			
Westmoreland PL [?]	✓	✓	✓	✓	✓	✓		
TEXAS								
Cedar Park PL [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Armijo Branch, El Paso [1992]			✓		✓			
Irving Schwartz Branch, El Paso [1991]						✓	✓	✓
Freeport Branch Lib. [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Lake Jackson Branch Lib. [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Missouri City PL [1992]	✓	✓	✓	✓	✓			
Pasadena PL [1993]	✓	✓	✓	✓	✓			
Rockwall County Library [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Sachse PL [1991]	✓	✓	✓	✓	✓	✓	✓	✓
San Marcos PL [1992]	✓		✓					
First Colony PL, Sugar Land [1992]	✓	✓	✓	✓				
Weatherford PL [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Meador Branch, Willis [1990]	✓	✓	✓	✓		✓	✓	✓
UTAH								
Sandy Lib. [1991]	✓	✓	✓	✓	✓	✓	✓	✓
VIRGINIA								
Sherwood Regional PL, Alexandria [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Amherst County PL [1991]	✓	✓	✓	✓	✓	✓	✓	✓
G. Mason Regional Lib., Annandale [1994]	✓	✓	✓	✓	✓			
Appomattox Cty. Lib. [1991]	✓	✓	✓	✓	✓			
Fauquier Cty. PL, Bealeton [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Kings Park Community Lib., Burke [1992]	✓	✓	✓	✓	✓	✓	✓	✓
Metro & Rail Libs., Burke [?]	✓							
Centreville Regional Lib. [1992]	✓	✓	✓	✓	✓	✓	✓	✓
Chantilly Lib. Complex [1993]	✓	✓	✓	✓	✓			
Jefferson-Madison Reg., Charlottesville [1991]			✓					
Greenbrier Library, Chesapeake [1991]						✓		
Headquarters Lib., Chesapeake [1992]	✓	✓	✓	✓	✓			
Russell Memorial Lib., Chesapeake [1991]	✓	✓	✓	✓	✓			
Central Lib., Chesterfield [1992]	✓	✓	✓	✓	✓			
Enon Branch, Chesterfield [1992]	✓	✓	✓	✓	✓			
West Branch Lib., Chesterfield [1992]	✓	✓	✓	✓	✓			
Govt. Lib. & Info. Ctr., Fairfax [1992]	✓	✓						
Cntrl. Rappahannock Reg., Fredericksburg [1991]	✓	✓	✓	✓	✓	✓	✓	✓
North Stafford Branch, Fredericksburg [1992]	✓	✓	✓	✓				
Great Falls Library [1993]	✓	✓	✓	✓	✓			
Herndon Community Lib., Herndon [1994]	✓	✓	✓	✓	✓			
Leesburg PL [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Midlothian Branch Lib. [1991]	✓	✓	✓	✓	✓			
Orange Cty. Lib. [1995]	✓							
Purcellville PL [1992]	✓	✓	✓	✓	✓			
Bon Air Branch, Richmond [1992]	✓	✓	✓	✓	✓			
Salem PL [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Eastern Loudoun Regional Lib., Sterling [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Patrick Henry Community Lib., Vienna [?]	✓	✓	✓	✓	✓			
Princess Anne Lib., Virginia Beach [1992]	✓	✓	✓	✓				
Fauquier Cty. PL, Warrenton [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Rappahannock County Lib., Washington [1991]			✓	✓		✓		
Chinn Park Regional Lib., Woodbridge [1991]	✓	✓	✓	✓	✓	✓	✓	✓

NAME OF LIBRARY	STAGES 1	2	3	4	5	6	7	8
WASHINGTON								
Algona/Pacific Lib. [1994]	✓		✓					
Auburn PL [?]	✓			✓	✓			
Bellevue Lib. [1993]	✓	✓	✓	✓	✓			
Lake Hills Lib., Bellevue [1991]								✓
Newport Way Lib., Bellevue [1995]	✓		✓					
Black Diamond Lib. [1990]	✓	✓	✓	✓	✓		✓	✓
Bothell Lib. [1994]	✓		✓					
Kitsap Regional Lib., Bremerton [1990]								✓
Carnation Lib. [1995]	✓		✓					
East Kent Lib. [1996]	✓		✓					
Orcas Is. Lib. Dist., East Sound [1992]		✓		✓	✓			
Eatonville Lib. [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Enumelaw PL [1991]	✓	✓	✓	✓	✓	✓		
Everett PL [1991]		✓	✓	✓		✓	✓	✓
Federal Way Lib. #1 [1992]	✓	✓	✓	✓	✓	✓		
Federal Way Lib. #2 [1998]	✓		✓					
Kent Lib. [1991]	✓	✓	✓	✓	✓	✓	✓	✓
Soos Creek Lib., Kent [1993]	✓	✓	✓	✓	✓			
Kirkland Lib. [1993]	✓		✓					
Lacey PL [1991]								✓
Lynnwood Lib. [1990]				✓		✓	✓	✓
Maple Valley Lib. [1995]	✓		✓					
Medical Lake Community Lib. [1991]	✓	✓	✓	✓	✓			
Mercer Island Lib. [1991]	✓	✓	✓	✓	✓	✓	✓	✓
North Bend Lib. [1994]	✓		✓					
North Federal Way Lib. [1995]	✓		✓					
Pine Lake Lib. [1994]	✓		✓					
Neill PL, Pullman [1991]	✓	✓	✓	✓	✓			
South Hill Lib., Puyallup [1990]								✓
Redmond Lib. [1995]	✓		✓					
Richmond Beach Lib. [1995]	✓		✓					
Roslyn PL [?]	✓							
Sammamish Lib. [1994]	✓		✓					
Burien Lib., Seattle [1994]	✓		✓					
Shoreline Lib., Seattle [1994]	✓		✓					
Snoqualmie Lib. [1994]	✓		✓					
Argonne Lib., Spokane [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Otis Orchard Lib., Spokane [1991]	✓	✓	✓	✓	✓			
Buckley Branch, Tacoma [1991]	✓	✓	✓	✓	✓			
Graham Lib., Tacoma [1991]	✓	✓	✓	✓	✓			
Proc. & Admin. Ctr., Tacoma [1991]	✓	✓	✓	✓	✓	✓		
Service Ctr., Tacoma [1991]					✓			
Summit Branch, Tacoma [1991]	✓	✓	✓	✓	✓			
Upper Snoqualmie Lib. [1995]	✓		✓					
Woodinville Lib. [1993]	✓	✓	✓	✓	✓			
WEST VIRGINIA								
West Huntington PL, Huntington [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Grant County PL, Petersburg [1990]	✓	✓	✓	✓	✓	✓	✓	✓
WISCONSIN								
Brookfield PL [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Clintonville PL [1991]	✓	✓	✓	✓	✓			
Aram PL, Delavan [1990]	✓	✓	✓	✓		✓	✓	✓
Matheson Memorial Lib., Elkhorn [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Phillips PL [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Prescott PL [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Racine PL [1990]								✓
Mead PL, Sheboygan [1994]	✓	✓		✓	✓			
Stoughton PL [1990]	✓	✓	✓	✓	✓	✓	✓	✓
Superior PL [1991]			✓	✓	✓			
Waupaca PL [1994]	✓							
Wauwasosa PL [?]	✓	✓	✓	✓	✓			
WYOMING								
Sublette Cty. Lib., Pinedale [?]						✓	✓	
Crook Cty. Lib., Sundance [1990]								✓

☐ CALENDAR ☐

ALA Midwinter Meeting, Chicago, January 12–17,
NFAIS Annual Meeting, LITA Regional Institute

1991

JANUARY

10-12—HBW's Library Furniture, Fixtures & Equipment Workshop, Holiday Inn Mart Plaza, Chicago. Start-to-finish information on preparing to furnish and equip a new or remodeled library building. Fee: $195. Contact: HBW Associates, Inc., PO Box 191487, Dallas, TX 75219-1487; 214-559-4291; FAX 214-559-3389.

11—Pre-Midwinter One-Day Seminar, Allerton Hotel, Chicago. Theme: "Negotiating Subscription Agency Services and Fees." Fee: $295 (includes luncheon). Contact: Basch Associates, 860 N. Lake Shore Dr., Suite 7J, Chicago, IL 60611; 312-787-6885; FAX 312-943-0025.

11—RMG Consultants' Seminar, Chicago. Theme: "Library Automation in the 90's." Free. Contact: RMG Consultants, B. Mahaney, 800-755-7641.

LITERACY BROCHURES

Selected Literacy Clearinghouse columns are available in an eight-page black-and-white brochure. The six columns give librarians practical ideas for working with new readers and writers. The brochures can be useful for workshops and conferences on literacy training. The price for **100 copies is $30; 250 copies, $70; 500 copies $130** (plus $2 for shipping and handling). Call 800-323-4858 or FAX orders to 708-390-2779—*LJ*/Cahners Reprint Services, 1350 E. Touhy Ave., Des Plaines, IL 60018.

FEBRUARY

25-28—National Federation of Abstracting and Information Services, Park Hyatt Hotel, Washington, D.C. Theme: "Putting the Pieces Together." Guest Speaker: Arthur W. Elias, director for marketing and distribution, BIOSIS, is the 1991 G. Miles Conrad Lecturer, "The Abstracting/Information Industry—Six Views of the Future." Contact: Betty Unruh, NFAIS, 1429 Walnut St., Philadelphia, PA 19102; 215-563-2406; FAX 215-563-2848.

MARCH

23-24—The Library and Information Technology Association Regional Institute, San Diego Marriott. Theme: "The One-Person Library: Enhancing Personal Productivity with your PC." Guest Speakers: Elizabeth S. Lane, microcomputer specialist, Congressional Information Service; Mary L. Johnson, technical service manager, Orange County P.L., Cal.; Patricia H. Earnest, technical services manager, Anaheim P.L., Cal.; Dawn E. Talbot, information manager, University of California–San Diego; Peter Brueggeman, head, public services, Scripps Institute of Oceanography; and Kris Ecklund, reference collection coordinator, California State University–Northridge. Contact: LITA Office, 50 E. Huron St., Chicago, IL 60611; 800-545-2433, x4270.

APRIL

24-27—Washington Library Association Conference, Inn at the Park, Spokane. Theme: "Celebrate Diversity." Guest speakers: Linda Werteimer, National Public Radio; Herb White, former dean, Indiana University; Fred Glazer, West Virginia State Librarian; Kaycee Hall, librarian, Fashion Inst. of Design and Merchandise, Los Angeles; and Bill Plympton, animator of witty and satirical short films such as *Your Face* and *One of Those Days*. Contact: Mike Wirt, Conference Committee Chair, Washington LA, 509-924-4122.

NATIONAL/ INTERNATIONAL

American Assn. of Law Libraries: New Orleans, Jul. 21–24, 1991.

American LA: Atlanta, Jun. 29–Jul. 4, 1991; **Midwinter:** Chicago, Jan. 12–17, 1991.

Assn. of College and Research Libraries: Phoenix, Apr. 1–4, 1992.

Canadian LA: Montreal, Jun. 2–5, 1991.

Library and Information Technology Assn.: Denver, Sept. 13–17, 1992.

Medical LA: San Francisco, May 31–Jun. 6, 1991.

Music LA: Indianapolis, Feb. 13–16, 1991.

Natl. Information Standards Organization: Boston, Sept. 23, 1991.

Natl. Library Week: Apr. 14–20, 1991.

Pan Pacific Library Conference: Honolulu, Jan. 9–11, 1991.

Public LA: San Diego, Mar. 20–23, 1991.

Special LA: San Antonio, Tex., Jun. 8–13, 1991.

White House Conference on Library and Info Svcs.: Washington, D.C., Jul. 9–13, 1991.

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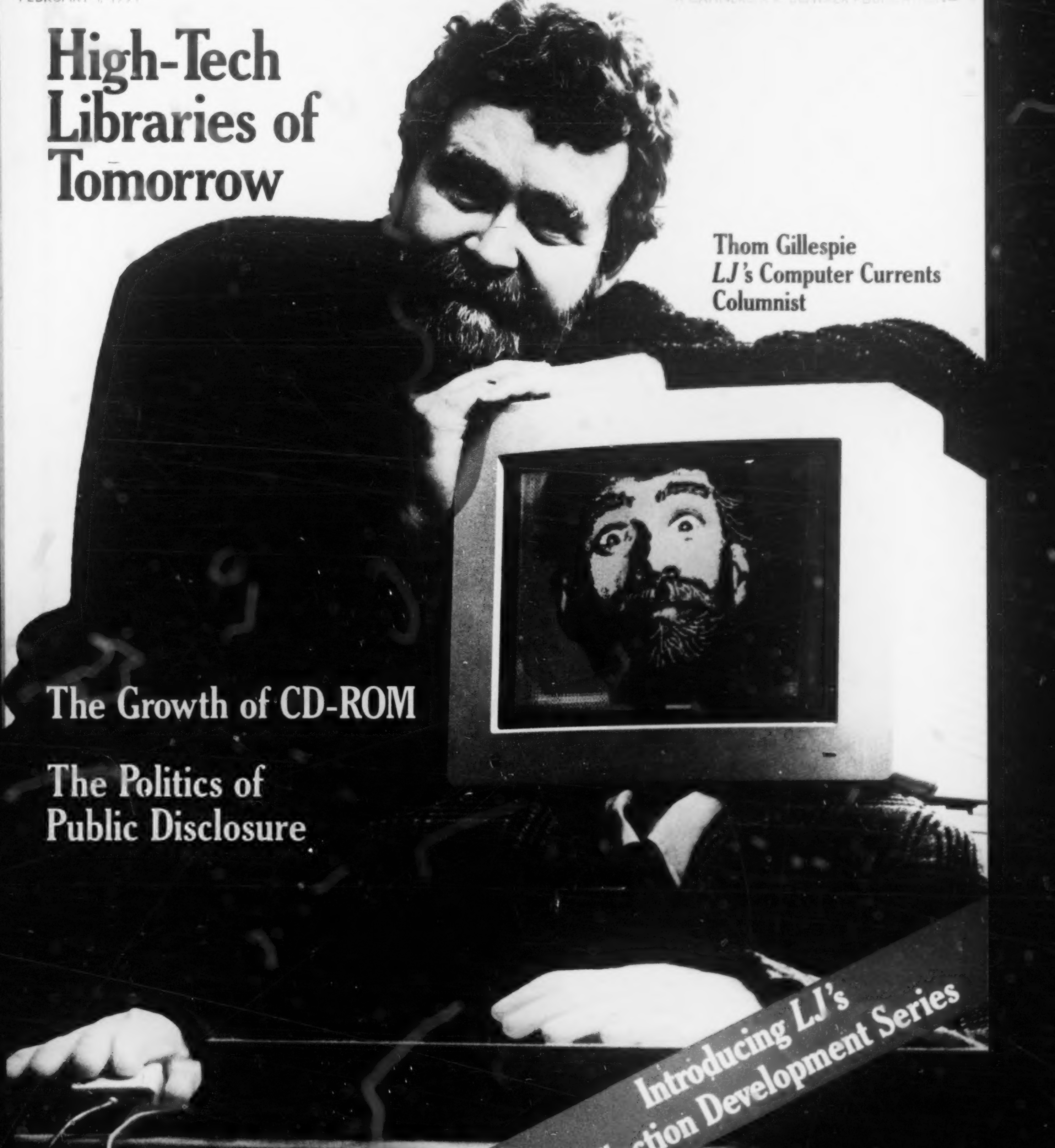

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LJ's Computer Currents
Columnist

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VOL. 116 No. 2

LIBRARY

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LIBRARY JOURNAL
High-Tech Libraries of Tomorrow

Computer expert/artist/writer Thom Gillespie (the one on the left) foresees the future of computer technology in libraries. Gillespie discusses some of the "High-Tech Libraries of Tomorrow—Today" on page 46.

PHOTOGRAPH BY JEFF REINKING

February 1, 1991

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☐LIBRARY MARKET OUTLOOK☐

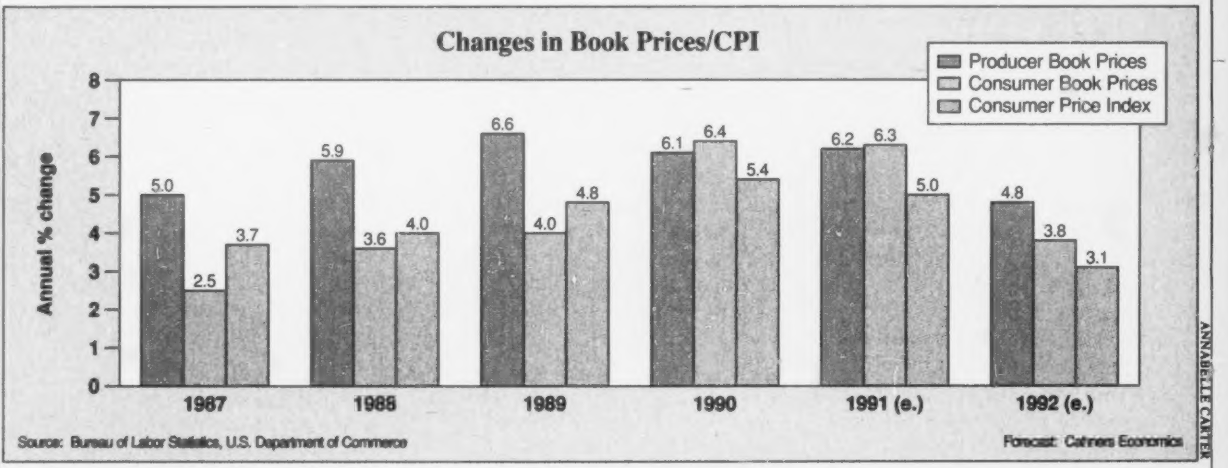
BY DEBORAH SELSKY

Book Prices Continue To Rise Faster Than Inflation

Consumer spending on books seems to be relatively immune to factors that affect spending on most other items, namely consumer confidence and level of disposable income. In a similar way, book prices have a mind of their own. Aside from predicting that they will continue to increase rapidly, forecasting book prices is difficult.

Naturally, the costs of the inputs into the production process determine the ultimate price. In the book publishing industry, these inputs include, among other things, paper and ink. The hefty book price gains in the past few years were attributed to double-digit price gains in paper. Yet despite the recent decreases in the prices of paper, producer prices of books remain high. The producer price index for books increased 6.2% in the first 11 months of 1990, as compared to the previous year. This gain comes on the heels of a 6% rise in 1988 and a 6.6% increase in 1989.

Changes in Book Prices/CPI



Source: Bureau of Labor Statistics, U.S. Department of Commerce

Forecast: Cahners Economics

ANNABELLE CARTER

General inflation lower

In contrast, general inflation now stands just above 5% at an annualized rate. The strong GNP growth of 4.5% in 1988 added pressure to prices and justified the Federal Reserve Board's fight against inflation. Because GNP growth has slowed every quarter since then, the Fed has come under increasing pressure to ease interest rates. However, its monetary policy has remained cautious, as inflation continued to rise from 4.8% in 1989 to 5.4% in 1990.

Although energy costs have caused recent price increases, inflation will begin to subside as the economy moves sluggishly into 1991 and oil prices return to pre-Kuwait invasion levels. Inflation is expected to peak at 5.6% in mid-1991 and finish the year at 5%.

Book price fluctuations

While book manufacturers have been passing along higher prices, retail outlets have not. Over the past three years, when producers' book prices increased at an average annual rate of 4.3%, consumers' prices rose only 2.5%. The rising number of discount bookstores probably contributed to this difference in price gains.

The axe falls

The hefty manufacturer price increases are finally being passed along to the consumer. Since the middle of 1990, consumer book prices began increasing at a much faster pace and are headed for a 6.4% gain for the year. With the demand for books remaining high, these increased prices should not greatly affect sales. Consumer spending on books reached an estimated $12.5 billion in 1990—9.5% higher than the previous year. Adjusting for inflation still pegs this gain at a solid 2.9%.

Over the past three years, real consumer spending on books increased an average 4.7% per year. This trend is expected to continue as the aging of the baby boom population, the increasing educational attainment levels, and the boom in export activity boost demand for books. The producer price index for books is expected to increase 6.2% in 1991 and 4.8% in 1992.

The highest producer price increases have been on textbooks. Prices of books that libraries primarily purchase—trade, professional, and reference—have seen more modest gains over the past year. Through the first 11 months of 1990, prices of professional and technical books rose 3.1% above the year before. Meanwhile, prices of trade books increased 4.2% and prices of general reference books increased 2.6%. Book buyers face more of the same in 1991 before book prices ease in 1992.

Deborah Selsky is an economist with Cahners Economics, which provides industry analyses and forecasting services for the markets its magazines serve

☐ CALENDAR ☐

AJL-NYMA Reference Workshop;
"How To Select a Library Automation System"

FEBRUARY

11—The New York Metropolitan Area Chapter of the Association of Jewish Libraries Reference Workshop, Yeshiva University, New York. Main topic will be reference sources on the Arab-Israeli conflict. Contact: Leah Adler, 212-960-5382.

14—C. Berger and Company Workshop, Chicago Association of Commerce and Industry. "How To Select a Library Automation System." Fee: $125. Contact: Betty Burger, C. Berger and Company, PO Box 274, Wheaton, IL 60187; 708-653-1115; FAX 708-653-1691.

25-28—National Federation of Abstracting and Information Services, Park Hyatt Hotel, Washington, D.C. Theme: "Putting the Pieces Together." Guest Speaker: Arthur W. Elias, director for marketing and distribution, BIOSIS, is the 1991 G. Miles Conrad Lecturer, "The Abstracting/Information Industry—Six Views of the Future." Contact: Betty Unruh, NFAIS, 1429 Walnut St., Philadelphia, PA 19102; 215-563-2406; FAX 215-563-2848.

MARCH

22—Public Library Association Conference, San Diego Convention Center. Program sponsored by Baker & Taylor: "Staying Ahead: Collecting Popular Materials Pre-Publication." Learn about the publishing process and its relationship to decision making in acquisition and collection development. Guest speakers: Nora Rawlinson, editor, *LJ*; Edward Kieczykowski, director, Mansfield-Richland County PL, Ohio; Chip Gibson, associate publisher, VP marketing, Crown Publishing Group; Jean Srnecz, VP of merchandising; Baker & Taylor Books. Fee: Free. Contact Mary Shapiro, 908-218-3987.

KEEPING OUR CALENDAR UP-TO-DATE

In order to make the library community aware of your conferences, seminars, meetings, and workshops, send information to *LJ* at least three months prior to the date of the event. Include all pertinent information (dates, place, speakers, contact); be sure names/places are spelled correctly. Releases are accepted by mail, ATTN: Calendar, *Library Journal*, 249 W. 17th St., New York, NY 10011; or by FAX 212-463-6890 or 212-463-6631.

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APRIL

24-27—Washington Library Association Conference, Inn at the Park, Spokane. Theme: "Celebrate Diversity." Guest speakers: Linda Wertheimer, National Public Radio; Herb White, former dean, Indiana University, and *LJ* columnist; Fred Glazer, director, West Virginia Library Commission; Kaycee Hall, librarian, Fashion Institute of Design and Merchandise, Los Angeles; and Bill Plympton, animator of witty and satirical short films such as *Your Face* and *One of Those Days*. Contact: Mike Wirt, Conference Committee Chair, Washington Library Association, 509-924-4122.

NATIONAL/ INTERNATIONAL

American Assn. of Law Libraries: New Orleans, Jul. 21–24.

American LA: Atlanta, Jun. 29–Jul. 4.

Assn. of College and Research Libraries: Phoenix, Apr. 1–4, 1992.

Canadian LA: Montreal, Jun. 2–5.

Church and Synagogue LA: Indianapolis, Jul. 7–9.

Library and Information Technology Assn.: Denver, Sept. 13–17, 1992.

Medical LA: San Francisco, May 31–Jun. 6.

Music LA: Indianapolis, Feb. 13–16.

Natl. Information Standards Organization: Boston, Sept. 23.

Natl. Library Week: Apr. 14–20.

Public LA: San Diego, Mar. 20–23.

Special LA: San Antonio, Tex., Jun. 8–13.

White House Conference on Library and Info Svcs.: Washington, D.C., Jul. 9–13.

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ARCH 15, 1991

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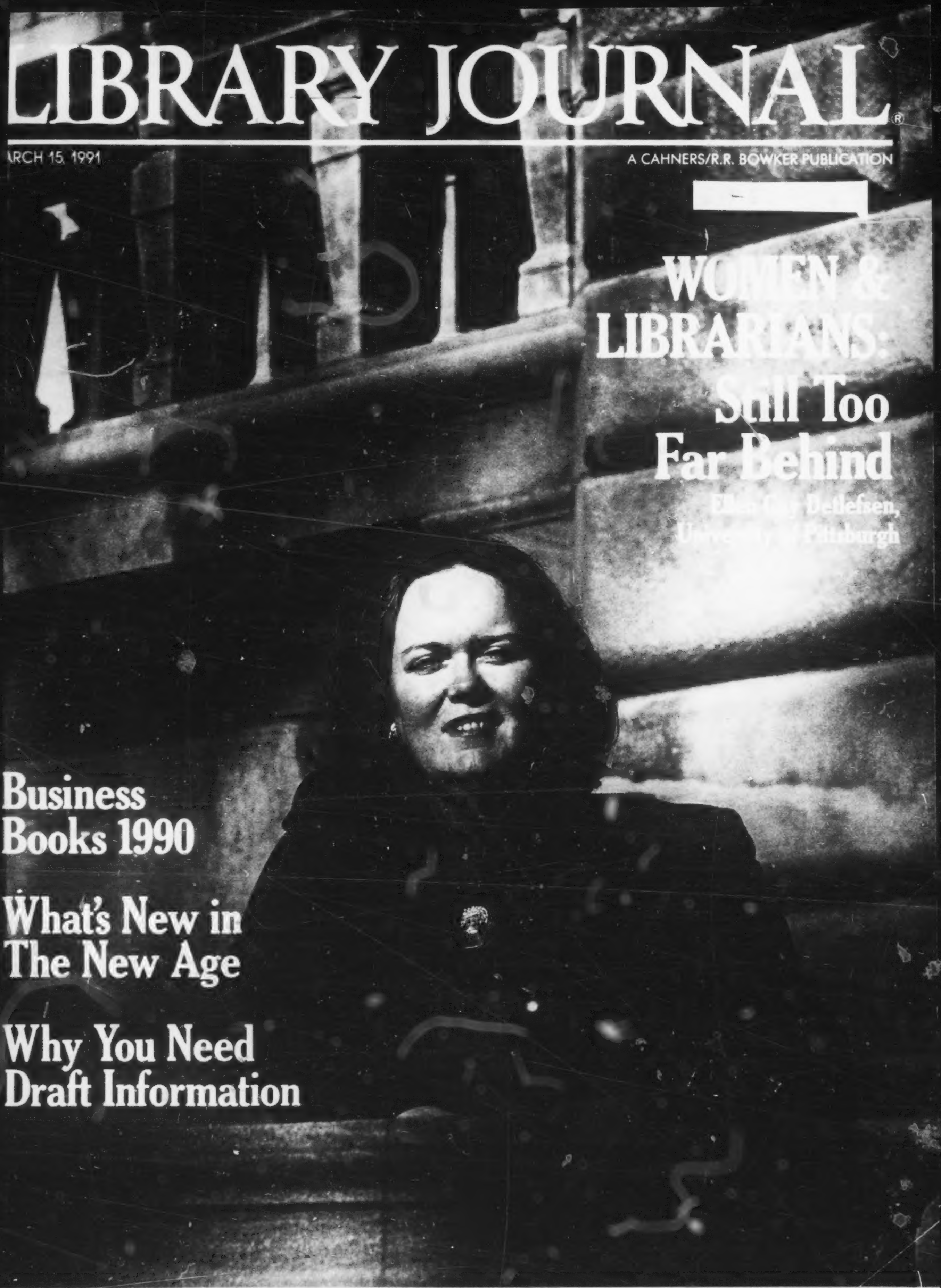


WOMEN & LIBRARIANS: Still Too Far Behind

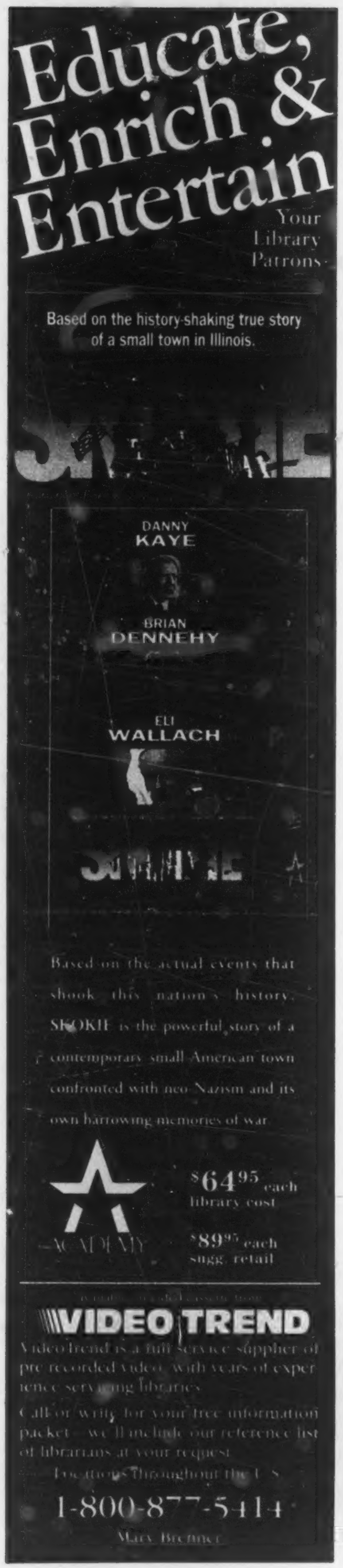
Ellen Gay Detlefsen,
University of Pittsburgh

Business Books 1990

What's New in The New Age

Why You Need Draft Information

In The Book Review: Persian Gulf Roundup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VOL. 116 No. 5

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LIBRARY JOURNAL

WOMEN & LIBRARIANS: Still Too Far Behind

Ellen Gay Detlefsen, along with coauthors Josephine Olson and Irene Frieze, surveyed MLS/MBA graduates from the University of Pittsburgh. Their results? See "Women & Librarians: Still Too Far Behind" on page 36.

PHOTOGRAPH BY MARK BOLSTER

March 15, 1991

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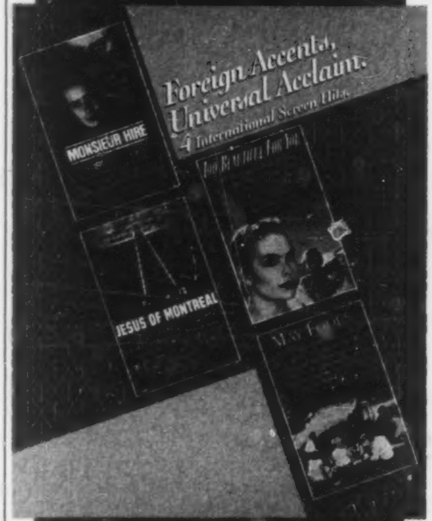
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□LIBRARY MARKET OUTLOOK□

BY DEBORAH SELSKY

Higher Education Enrollments Continue To Rise

In the academic year ending 1990, a record number of bachelor's and master's degrees were awarded by institutions of higher education. Over 1.04 million students received a bachelor's degree and 323,000 received a master's degree. In both cases, more than half of the degrees were conferred to women. More than 23 percent of the adult population now hold degrees beyond the high school level.

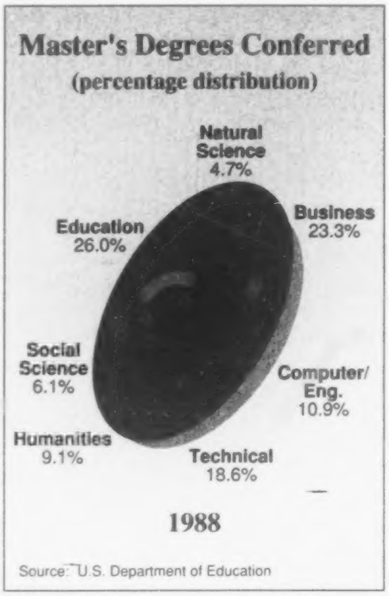
Over the past decade there has been a shift away from the traditional humanities, social, and natural sciences fields of study toward the business and technical fields. Among the major fields of study, 26 percent of all master's degrees were awarded in education, down from a peak of 41 percent in 1976. Over this same time period, the number of master's degrees conferred in the humanities, social sciences, and natural sciences also declined.

More businesspeople and technicians

Areas in which there has been a great deal of growth in graduate-level education are computer science, engineering, and business/management. The computer science and engineering field awarded 11 percent of the master's degrees in 1988, up from only 6.7 percent in 1980. The business/management field awarded 23 percent of these degrees in 1988, up from 18 percent in 1980.

These shifts toward greater educational attainment, especially in the technical and business fields, correspond to the shifts in occupation growth. Projections show the occupational groups requiring the highest levels of education will also be the fastest-growing throughout the next decade.

These occupational groups include executive and managerial, professional specialty, and technicians. Thus, members of the labor force with low educational attainment will be excluded from opportunities in these expanding occupational sectors.

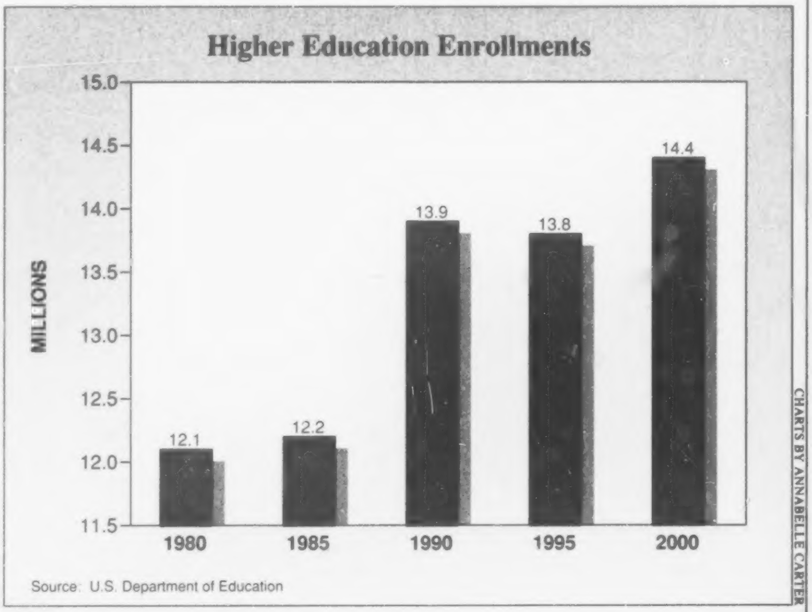

Master's Degrees Conferred
(percentage distribution)

Source: U.S. Department of Education

The immediate economic benefit of holding a higher-education degree in any discipline is a higher income-earning potential. A 1987 study found that average monthly incomes were as high as $4,323 for people with professional degrees. People with a master's degree earned an average $2,776; those with a bachelor's degree averaged $2,109. For those people with just a high school diploma, the average monthly earnings stood at $1,135.

The changing face of campuses

Higher education enrollments reached an estimated 13.9 million in the fall of 1990—3.4 percent above the year before. These gains came despite the continued drop in the size of the traditional college-age population. In fact, the college participation rates among all age groups are on the rise. Also, more women and older students are enrolling in colleges and universities. Higher education enrollments are expected to continue to benefit from these demographic trends.


Higher Education Enrollments

Source: U.S. Department of Education

CHARTS BY ANNABELLE CARTER

Deborah Selsky is an economist with Cahners Economics, which provides industry analyses and forecasting services for the markets its magazines serve

Mapping the First

Compiled by **Ann Burns,** Staff Editor, *LJ*

ALABAMA

Joey Manley
Death of Donna May Dean
(St. Martin's—May)

ARIZONA

Diana Gabaldon
Outlander
(Delacorte—Jul.)

E.J. McGill
Immaculate in Black
(St. Martin's—Apr.)

ARKANSAS

Jeane Harris
Black Iris
(Naiad Pr.—May)

Grif Stockley
Expert Testimony
(Summit Bks.—May)

CALIFORNIA

Gina Barkhordar-Nahai
Cry of the Peacock
(Crown—May)

Doug Coupland
Generation X
(St. Martin's—Mar.)

Stan Cutler
Best Performance by a Patsy
(Dutton—Jul.)

Edna Escamill
Daughter of the Mountain
(Aunt Lute Bks.—Jun.)

(cont.)

California (cont.)

Chuck Freadhoff
Codename: Cipher
(Walker—Aug.)

David Freeman
A Hollywood Life
(S. & S.—Jul.)

Mary Gaitskill
Two Girls Fat and Thin
(Poseidon Pr: S. & S.—Feb.)

John J. Gobbell
The Brutus Lie
(Scribner—Apr.)

Nancy B. Jacobs
The Turquoise Tattoo
(Putnam—Apr.)

Alice Kahn
Fun with Dick and Bree
(Poseidon Pr: S. & S.—Aug.)

John Keene
Pettibone's Law
(S. & S.—Mar.)

Ken Kuhiken
The Loud Adios
(St. Martin's—Aug.)

Mark Lapin
Pledge of Allegiance
(Dutton—Apr.)

Jay B. Laws
Steam
(Alyson Pubns.—May)

Gus Lee
China Boy
(Dutton—May)

Peter Lefcourt
The Deal
(Random—Apr.)

(cont.)

California (cont.)

Timothy Miller
Practice To Deceive
(Donald I. Fine—Apr.)

Richard Nehrbass
A Perfect Death for Hollywood
(HarperCollins—Jul.)

David Noonan
Memoirs of a Caddy
(S. & S.—May)

John O'Brien
Leaving Las Vegas
(Watermark Pr.—May)

Monte Schulz
Down by the River
(Viking—Feb.)

COLORADO

Jake Tanner
Old Black Magic
(Crown—Mar.)

Stephen White
Privileged Information
(Viking—Jul.)

CONNECTICUT

Don Winslow
Cool Breeze on the Underground
(St. Martin's—Feb.)

WASHINGTON, D.C.

Raymond Strother
Cottonwood
(Dutton—Feb.)

Molly B. Tinsley
My Life with Darwin
(Houghton—May)

FLORIDA

Joel Barr
Chapters and Verse
(Peregrine Smith: Gibbs Smith—May)

Charles Mink
Princess of the Everglades
(Pineapple Pr.—Apr.)

Jerome Sanford
Miami Heat
(St. Martin's—Feb.)

ILLINOIS

John Fink
Leaf Boats
(St. Martin's—Apr.)

Ronald Levitsky
The Love That Kills
(Scribner—Jul.)

Cynthia Nixon
Now You See It
(Little, Brown—Apr.)

Michael Raleigh
Death in Uptown
(St. Martin's—Aug.)

L.L. Thrasher
Cat's Paw, Inc.
(Council Oak Bks.—May)

Simone Zelitch
The Confession of Jack Straw
(Black Heron Pr.—May)

INDIANA

James Ritchie
Over the Lonesome Side
(Walker—Apr.)

IOWA

Ed Gorman
The Night Remembers
(St. Martin's—Mar.)

KANSAS

Kevin Robinson
Split Seconds
(Walker—Jun.)

LOUISIANA

Patty Friedmann
The Exact Image of Mother
(Viking—Apr.)

Rick Norman
Fielder's Choice
(August House—Apr.)

MAINE

James Boylan
The Planets
(Poseidon Pr: S. & S.—Apr.)

MARYLAND

John Boland
Easy Money
(St. Martin's—Jul.)

John McKeon
The Serpent's Crown
(Walker—Jul.)

Lee Moler
Baltimore Blues
(St. Martin's—May)

Marc Smolonsky
Dirty Laundry
(Walker—May)

MASSACHUSETTS

Robert Bloom
Generation of Leaves
(Ballantine—Jul.)

Joseph Finder
The Moscow Club
(Viking—Feb.)

Douglas Hobbie
Boomfell
(Holt—Jul.)

Alexander Jablokov
Carve the Sky
(Morrow—Mar.)

Gish Jen
Typical American
(Houghton—Mar.)

Lori A. Paige
Passion's Legacy
(Naiad Pr.—Feb.)

Susan C. Schofield
Refugio, They Named You Wrong
(Algonquin Bks.—Apr.)

Kerry Tucker
Still Waters
(HarperCollins—Mar.)

MICHIGAN

Jeanne Savery
The Last of the Winter Roses
(Walker—Jul.)

MINNESOTA

Jack Becklund
Golden Fleece
(St. Martin's—Feb.)

MISSOURI

Ron Munson
Nothing Human
(Pocket Bks.—Jul.)

INTERNATIONAL AUTHORS

BRAZIL
Ana Miranda
Bay of All Saints and Every Conceivable Sin
(Viking—Aug.)

CANADA
Peter McGehee
Boys Like Us
(St. Martin's—Feb.)

Julia MacLean
Revealing Angel
(St. Martin's—Jun.)

Alberto Manguel
News from a Foreign Country Came
(Potter—Apr.)

Rohinton Mistry
Such a Long Journey
(Knopf—Apr.)

Nino Ricci
The Book of Saints
(Knopf—Apr.)

ENGLAND
Michael Anthony
The Beckett Factor
(St. Martin's—May)

Margaret Birkhead
Trust & Treason
(St. Martin's—Feb.)

Russell Braddon
Funnelweb
(St. Martin's—Feb.)

Brendan Gill
Sugar and Spice
(Little, Brown—Feb.)

Lesley Glaister
Honour Thy Father
(Atheneum—May)

Ann Granger
Say It with Poison
(St. Martin's—Apr.)

Josephine Hart
Damage
(Knopf—Mar.)

Susan Kay
Phantom
(Delacorte—Apr.)

Simon Mason
Portrait of the Artist with My Wife
(Putnam—Mar.)

Kay Mitchell
A Lively Form of Death
(St. Martin's—Apr.)

Joseph O'Neill
This Is the Life
(Farrar—Jun.)

William Palmer
The Good Republic
(Viking—Apr.)

Betty Rowlands
A Little Gentle Sleuthing
(Walker—Mar.)

Helen Zahavi
The Weekend
(Donald I. Fine—Apr.)

GERMANY
Irene Dische
Pious Secrets
(Viking—May)

IRELAND
Sean Hardie
Table for Six
(S. & S.—Jun.)

ISRAEL
Zev Chafets
Inherit the Mob
(Random—Jul.)

Robert Rosenberg
Crimes of the City
(S. & S.—Feb.)

ITALY
Edward Burman
Image of Our Lord
(St. Martin's—May)

Rosetta Loy
The Dust Roads of Monferrato
(Knopf—Mar.)

Hugh Leonard
Parnell and the Englishwoman
(Atheneum—May)

MEXICO
Sara Levi Calderon
The Two Mujeres
(Aunt Lute Bks.—Aug.)

NORWAY
Lars S. Christensen
The Joker
(White Pine Pr.—May)

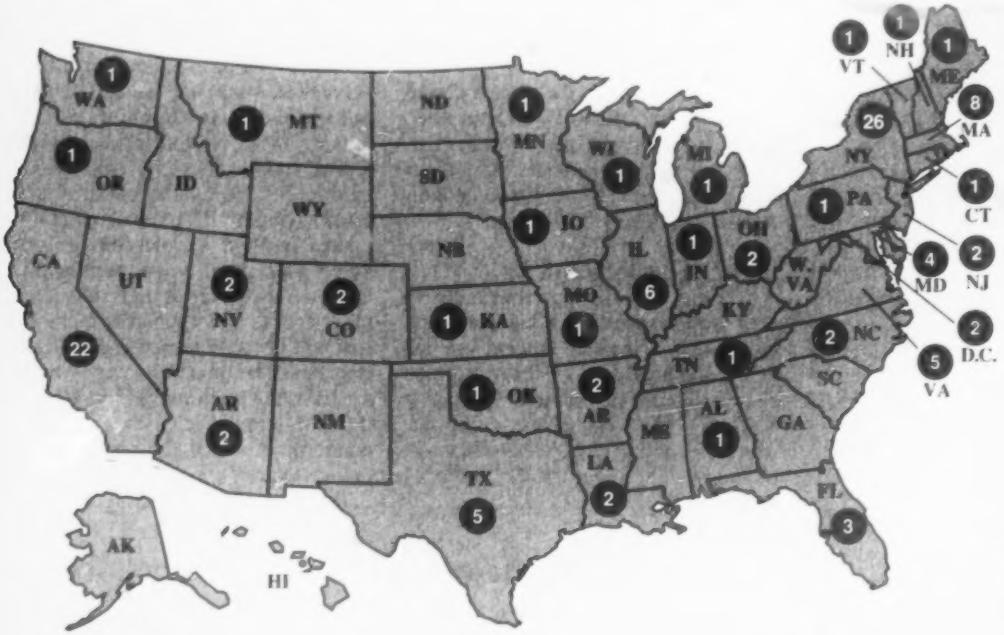
SCOTLAND
Martin Claridge
Nobody's Fool
(Walker—Apr.)

SOVIET UNION
Mikhail Roshchin
First Love
(Marion Boyars—May)

Novel

Spring/Summer 1991

Last season, only 85 first novels were published—fewer than in any season in the last decade. But publishers are becoming bolder. This season (February 1—August 31, 1991), 43 houses are hosting the debuts of 147 first novelists. Librarians interested in seeing whether a neighbor is among the lucky few can use this map for reference.—**BH**



MONTANA

Deirdre McNamer
Rima in the Weeds
(HarperCollins—Feb.)

NEVADA

Courtway Jones
In the Shadow of the Oak King
(Pocket Bks.—Aug.)

Robert Leininger
Killing Suki Flood
(St. Martin's—Feb.)

NEW HAMPSHIRE

Robert Begiebing
The Strange Death of Mistress Coffin
(Algonquin Bks—Apr.)

NEW JERSEY

Gila Berkowitz
The Brides
(St. Martin's—Jun.)

Anna Quindlen
Object Lessons
(Random—Apr.)

NEW YORK

Louis Begley
Wartime Lies
(Knopf—May)

Daniel Bergner
Moments of Favor
(S. & S.—Jun.)

Carol Brennan
Headhunt
(Carroll & Graf Pubs.—Jun.)

Toni Brill
Date with a Dead Doctor
(St. Martin's—Apr.)

Louisa Ermelino
Joey Dee Gets Wise
(St. Martin's—Feb.)

David Evanier
Red Love
(Scribner—Feb.)

Lucinda Franks
Wild Apples
(Random—May)

Catherine Gammon
Isabel out of the Rain
(Mercury House—Apr.)

David Gates
Jernigan
(Knopf—Jun.)

Sonny Girard
Blood of Our Fathers
(Pocket Bks.—Jun.)

Jewelle Gomez
The Gilda Stories
(Firebrand Bks.—Apr.)

Michael Grant
Line of Duty
(Doubleday—Jun.)

Kathryn Harrison
Thicker Than Water
(Random—Mar.)

Thomas Johnson
Rescuing Claire
(Scarborough House—May)

Robert S. Jones
Force of Gravity
(Viking—Jun.)

Jaye Maiman
I Left My Heart
(Naiad Pr.—Feb.)

Seth Margolis
False Faces
(St. Martin's—Jun.)

Jim Menick
Lingo
(Carroll & Graf Pubs.—May)

Brian Morton
The Dylanist
(HarperCollins—Aug.)

Diane Salvatore
Benediction
(Naiad Pr.—Jun.)

Helen Schulman
Out of Time
(Atheneum—Jun.)

Kathrin K. Segal
Wild Again
(Dutton—Feb.)

Ken Siman
Pizza Face; or, The Hero of Suburbia
(Grove Weidenfeld—Jun.)

Lily Tuck
Interviewing Matisse; or, The Woman Who Died Standing Up
(Knopf—Mar.)

Lisa Walker
Because of You
(Viking—Aug.)

Joyce Walter
Hallie Lawrence
(St. Martin's—Feb.)

James Weikart
Casualty Loss
(Walker—Aug.)

NORTH CAROLINA

Anthony Appiah
Avenging Angel
(St. Martin's—Aug.)

Camilla Bittle
Dear Family
(St. Martin's—Aug.)

OHIO

Herb Brown
Presumption of Guilt
(Donald I. Fine—May)

Kay Sloan
Worry Beads
(Louisiana State Univ. Pr.—Mar.)

OREGON

Lee Wallingford
Cold Tracks
(Walker—Jul.)

PENNSYLVANIA

Sam Staggs
MM II: The Return of Marilyn Monroe
(Donald I. Fine—Feb.)

SOUTH CAROLINA

Lynn Kostoff
A Choice of Nightmares
(Crown—Jul.)

TENNESSEE

Linda Rice
Southern Exposure
(Doubleday—Mar.)

TEXAS

Elizabeth Crook
The Raven's Bride
(Doubleday—Feb.)

Ibis Gomez-Vega
Send My Roots Rain
(Aunt Lute Bks.—Jun.)

Polly Koch
Invisible Borders
(S. & S.—Mar.)

Deborah Powell
Bayou City Secrets
(Naiad Pr.—Apr.)

Kurt Tidmore
Bigger 'n Dallas
(Grove Weidenfeld—May)

VERMONT

Julia Alvarez
How the Garcia Girls Lost Their Accents
(Algonquin Bks.—May)

VIRGINIA

Sydney Blair
Buffalo
(Viking—Mar.)

Dennis Danvers
Wilderness
(Poseidon Pr: S. & S.—May)

Marcy Heidish
Deadline
(St. Martin's—Aug.)

Clay Higgins
Buy Me Saigon Tea
(Ashley Bks.—Apr.)

Michael H. Morgan
The Twilight War
(Dutton—May)

WASHINGTON

Varley O'Connor
Like China
(Morrow—Feb.)

WISCONSIN

Noreen Gilpatrick
Piano Man
(St. Martin's—Apr.)

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LIBRARY JOURNAL

PRIL 1, 1991
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We Can Curb Costly Cataloging

Dorothy Gregor,
UC–San Diego
Carol Mandel,
Columbia University

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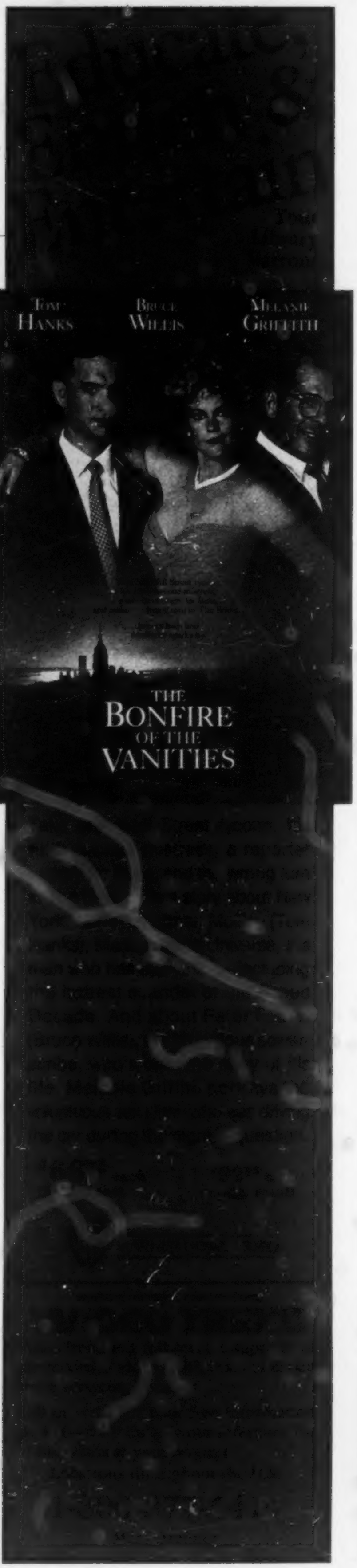
Managing Innovation

ALA Candidates Answer *LJ*

Automation Marketplace: What's Selling



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LIBRARY JOURNAL
We Can Curb Costly Cataloging

Though there are differing schools of thought, Dorothy Gregor and Carol Mandel remain undivided in their thinking that cataloging needs to be simplified. See "Cataloging Must Change!" on page 42.

PHOTOGRAPHS BY JAMES ARONOVSKY/BILL KELLY

April 1, 1991

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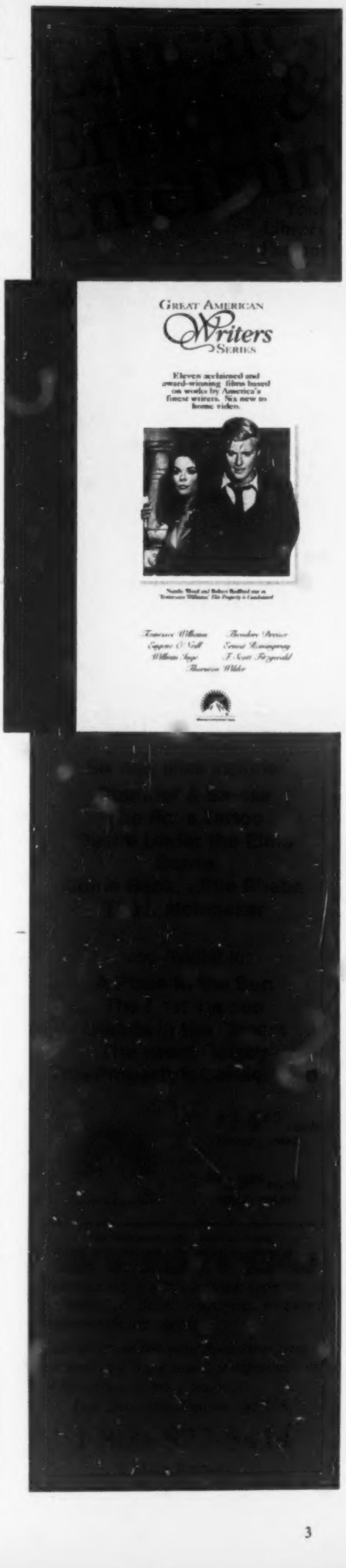

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Broadening our definitions allows smaller systems to be included in this survey and broadens the boundaries of extant library technology

Automated System Marketplace 1991

Redefining System Frontiers

By Frank R. Bridge

CHANGES IN THE automation marketplace during 1990 highlighted many of the trends and niggling little problems encountered in last year's account—problems that many readers were not at all hesitant to point out. Most complaints centered around a general lack of information about smaller systems, especially as these smaller systems are applied in the special library setting. This year, we are happy to report, the article should come much closer to meeting these needs. Although the article still concentrates on the larger integrated online systems, many conditions existing in the marketplace contribute to a downsizing trend.

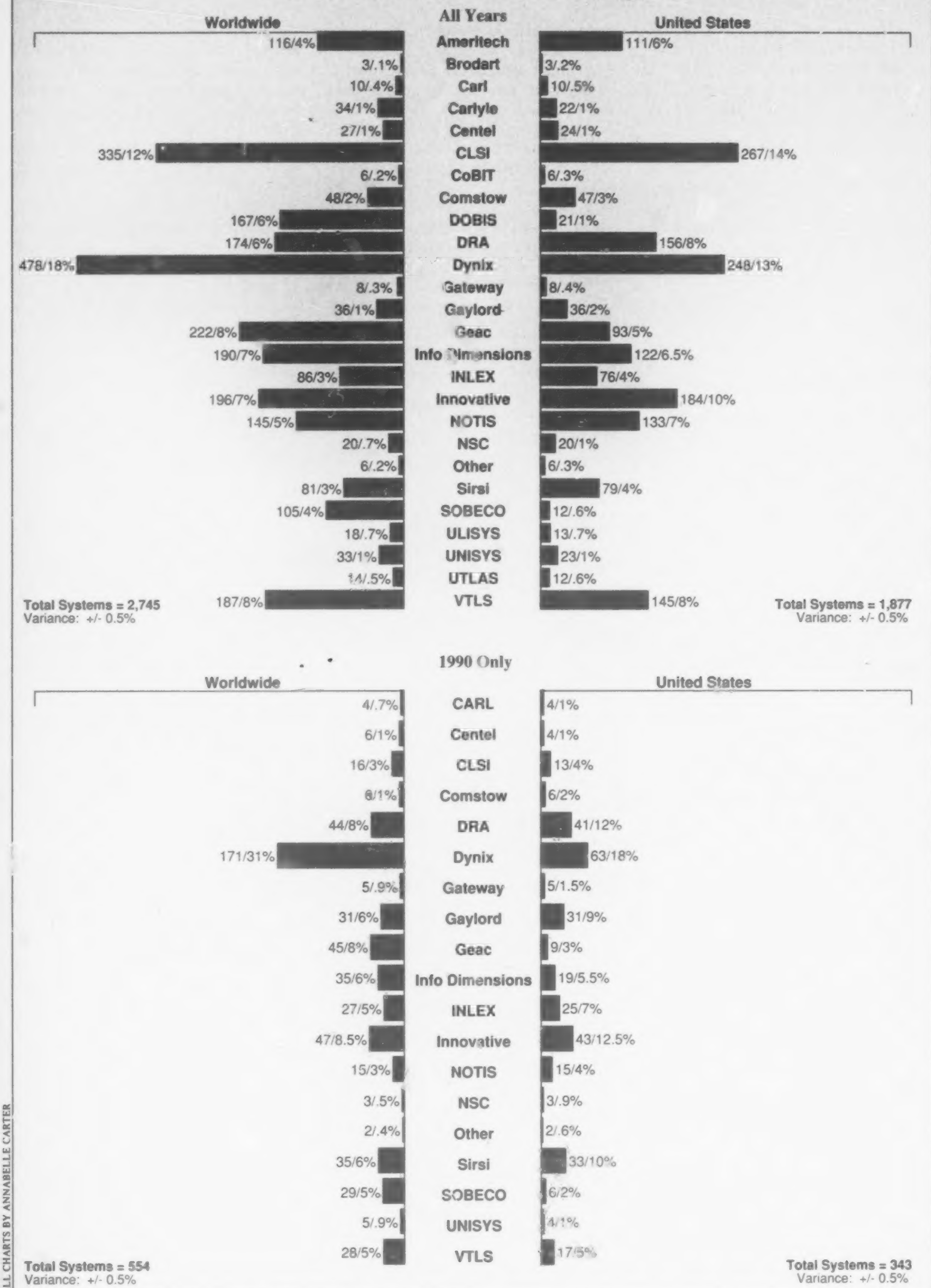
The newly available types of hardware and software are making automation more accessible to many smaller libraries, either because the costs are more reasonable than they have been previously or because computer systems are already in place, waiting only for the addition of library automation software and a few extra peripherals. The advent of these new technologies has made the definition of "system" more problematic for us as we attempt to devise some standard with which to measure the marketplace. "On Calculating Market Share: A Definition" (p. 60) offers a more detailed explanation, but we have tended to broaden the definition enough to include some of the smaller software-only and micro-based vendors.

Apply this newer definition to the current marketplace and you will discover two distinct indicators: sales as measures by the number of vendor installations and sales in terms of vendor revenues. Using last year's definition of "system," annual growth in 1990 was approximately five percent. This follows the flattening trend seen over the last four years, and is even lower than 1989's nine percent growth rate in the number of systems sold (see "Automation Marketplace 1990: Focusing on Software Sales and Joint Ventures," *LJ*, April 1, 1990, p. 55–66).

However, this is a very deceptive view. Applying the new definition of "system," which includes many micro-based systems, yields a more realistic approach. Many of the systems installed last year fall into the two- to 16-terminal range: vendors sold some 258 systems of this size, accounting for 43 percent of all systems sold. When

Frank R. Bridge is President of Frank R. Bridge Consulting, Inc., a library technology and management consulting firm based in Austin, Texas. The author would like to thank Holly Gordon, Automation Consultant, Texas State Library, and Elise Keller, University of Texas Library School MLIS candidate, for their asssitance in tabulating the data for the charts and for editorial feedback in this article

Chart 1: Market Shares Total Installed Systems



ALL CHARTS BY ANNABELLE CARTER

one accounts for the overall growth, the marketplace expanded by 595 systems worldwide, from 2150 reported in last year's article to 2,745 this year, or approximately 28 percent.

The impact of these smaller systems on vendors' fiscal performance is a little harder to judge, considering the scant information received. As in previous years, we bravely attempted to gather estimates of the vendor revenues. Just as consistently, only a few vendors have permitted us to publish this information, although most of them provided it.

The conclusions? First, the library automation marketplace is a $178 million industry, based on library-system-related revenues only (as opposed to last year's marketplace article's *gross* revenues—a less definitive measure). Second, although the lion-size slice in the pie chart (Chart 5) still refers to that enigmatic "other" category, that slice is becoming a little smaller. (Fortunately, a few of the largest vendors in the industry are also the proudest of their growing revenues.) Still, with just five vendors willing to publish financial information, the number of installations continues to be our primary benchmark, even though vendors selling just a few very large systems are not well served by this indicator.

Systems with fuzzy edges

As the technology changes, the definition of "system" has become increasingly difficult to pin down, so it might be interesting to look at the

Table 1: Hardware Availability

Manufacturer	Model	Vendor
AIS	IBM Compatible 80386	SC350/ACQ350 (Ameritech)
Altos	2000	CLSI
ARIX	all	Innovative, Sirsi
AT&T	3B2 Series Model 850/875	Centel/DataLib GEAC Adv.
BULL	DPX 210, 510 XPS-100, DPX/2	Sobeco/multiLIS GEAC Adv.
Control Data	EPIX	Information Dimensions
Convergent	all UNIX	Innovative Interfaces
Data General	AViiON Series	GEAC Adv
	MV/ Series	Centel/DataLib, CoBIT LS/2000 (Ameritech)
	S/ Series	LS/2000 (Ameritech)
DEC	Vax, MicroVAX, under VMS	Centel/DataLib, Comstow, Data Trek, DRA, Gaylord Georgetown, Info Dimensions, Sobeco/multiLIS, ULISYS
	VAXstation/VAXsystem, under ULTRIX	Carlyle, Comstow, Dynix GEAC Adv, Info Dimensions, Innovative, Sirsi, Sobeco/multiLIS
	PDP 11/XX Series	CLSI, Georgetown, ULISYS LS/2000 (Ameritech)
	UltrixRISC System	Carylyle, Dynix, Innovative, Sobeco/multiLIS
Encore	all	GEAC Adv
Geac	Series 6000, 8000, 9000	GEAC GLIS
Hewlett-Packard	3000 Series	Inlex, VTLS
	6000 Series	Info Dimensions
	9000 (UNIX)	Dynix, Sirsi
	9000 Series 800	GEAC Adv
Honeywell	DPS/6	Dynix
HP/Apollo	all	Comstow
IBM	30XX	Brodart, DOBIS, GEAC Adv, Info Dimensions, NOTIS, VTLS
	43XX	DOBIS, Info Dimensions, NOTIS
	937X	DOBIS, Info Dimensions, NOTIS, VTLS
	AS/400	CDMS, Gateway NSC
	ES/9000 Series	NOTIS
IBM	R6000 Series	Dynix, GEAC Adv, Sirsi
	RT series	Dynix
	S/38	NSC
ICL	Power 6 Series	Centel/DataLib
IN2	Model 4000	GEAC Adv
Innovative	INNOVACQ	Innovative Interfaces
Intel	386/486 based systems	Sirsi, VTLS
	DPX	Carlyle
McDonnell Douglas	any w/PICK oper. system	GEAC Adv
	Sequel, Spirit	Dynix
MIPS		Dynix, Innovative, Sobeco/multiLIS
Motorola	M8000	GEAC Adv
NCR	Tower 300, 500, 700	Sobeco/multiLIS, Sirsi
Olivetti	LSX 3020/30/40	GEAC Adv
Prime	any w/PICK oper. system	GEAC Adv
	50 Series, EXL	Dynix, GEAC Adv
Pyramid	all	GEAC Adv
Sanyo ICON	2XXX–4XXX	GEAC Adv
Sequent	S3, 8, 21, 27, 81	CLSI
	all	Dynix, GEAC Adv, Sirsi
Sequoia	all	Dynix
	Cyclone	Utlas
	Series 200	GEAC Adv
Sun	all	Comstow
	SPARCstation series	Carlyle
	SunServers	Info Dimensions
Tandem	TXP, TNSII	Alice-B (Ameritech)
	CLX, VLX	CARL
	EXT	Utlas
Ultimate	14XX, 3XXX–7XXX	Dynix
Unisys		Innovative Interfaces
	1100,2200,PW2, U-SERIES	Unisys
	5000 Series	Dynix, GEAC Adv
Wang	VS Series	NSC
Wyse	2108,2012,2116i	CLSI
	XT,286,386	LS/2000 (Ameritech)

once-simple problem of counting terminals. With the continuing growth of campus and governmental local area networks (LANs), local library automated systems can no longer be considered self-contained entities serving a clearly defined audience.

Many of the currently installed library automated systems include LAN ports, making the library system just another component in an expanding distributed computer infrastructure. Terminal counts become quite indistinct once the library opens its system to a LAN. Therefore, in order to help the vendors count terminals consistently, this year's survey forms contained a new, full-page instructional insert. For example, a LAN-based library staff microcomputer would count as a library system terminal only if used for library system functions more than 95 percent of the time. Nonlibrary LAN-based terminals had to be counted by statistical methods that would bore the reader.

Some vendors had an easy time of it: their software restricts the maximum number of simultaneous users regardless of access method, but many other packages cannot do so. To make matters even more complicated, at least one vendor has begun to market a system that is specifically designed to drop into an existing LAN, thereby abandoning altogether the concept of a centralized library automated system computer and terminals.

Another indistinct system boundary appears as its capabilities expand to furnish windowing into other information services. While it is relatively easy to provide access to online database searches through the local system, and many libraries have done so, others have chosen to avoid the telephone and database access charges by either mounting these databases directly on their local system hard disks or by providing access to similarly mounted CD-ROM drives.

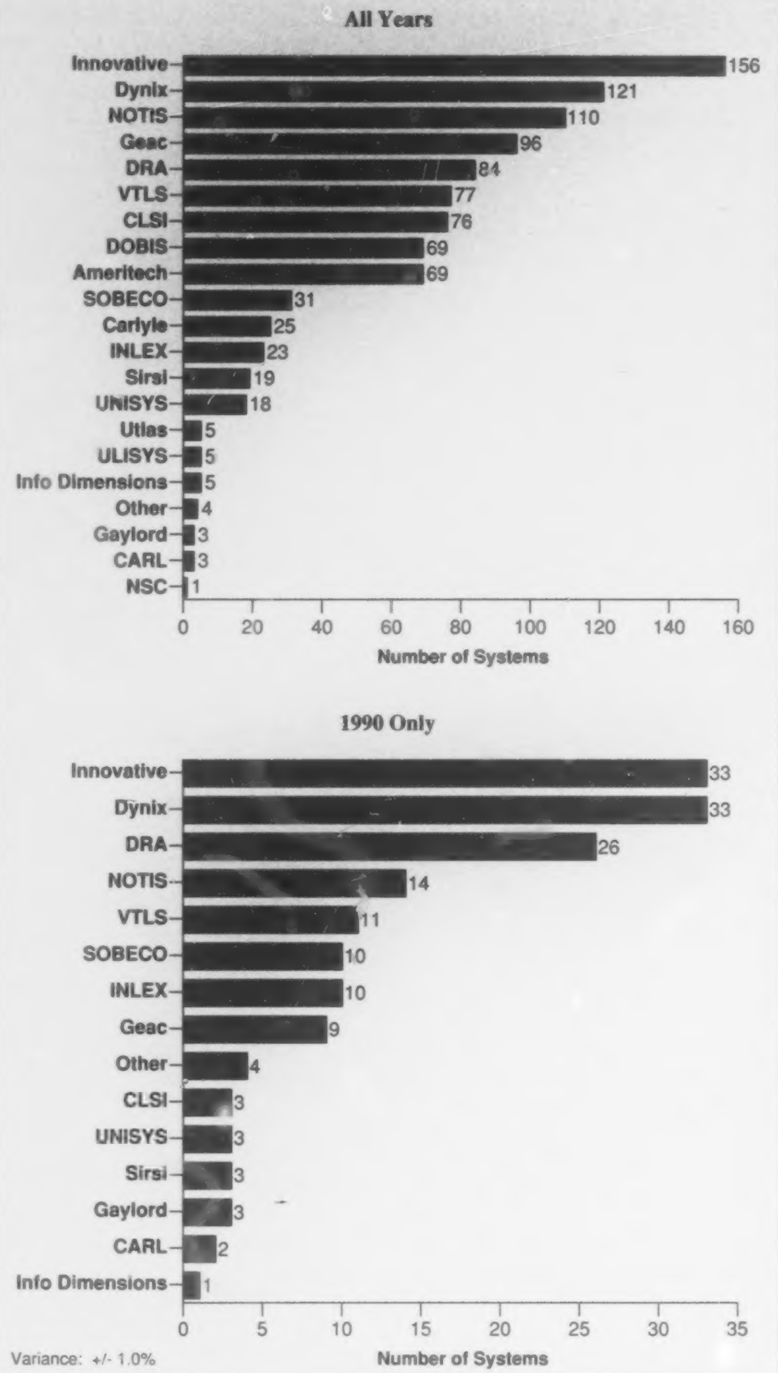
Several library system vendors

Table 2: Operating Systems

System	Release	Vendor	System	Release	Vendor
AIX	2.1,2.2	Geac Advanced, Dynix, Sirsi	PICK	1.6	GEAC Adv
AOS/VS	7.65+	Centel/DataLib	PL/1		DOBIS
	7.57+	CoBIT	Pl/1 [Data General]	2.52	CoBIT
AOS/VS II	1.21+	CoBIT	PRIMOS [oper. PICK]		Dynix
CDC NOS/VE	1.2.1	Information Dimensions	Pyramid OSx	4.0	GEAC Adv
CICS		DOBIS	Sun OS		Info Dimensions
	1.7	Brodart	System V RTU		GEAC Adv
CICS/VS	1.6+	NOTIS	TOPIX	6.1	GEAC Adv
CLSI Proprietary		CLSI	ULTRIX		Info Dimensions, Comstow
CMS-1100	5R1A	Unisys		3.1	GEAC Adv, Innovative Interfaces
COMLOG	1.52	CoBIT	UMIPS RISC OS (UNIX)	4.51	Sobeco/multiLIS
DG/UX	R4.1/4.2	GEAC Adv	Unisys System V	2.0, 3.0	GEAC Adv
DMS	8R3G	Unisys	UNIX		Unisys
EXEC	41R3	Unisys		AIX	Comstow, Dynix, Sirsi
Geos.8	3.4	GEAC GLIS		BSD 4.3, HP-UX	Comstow
Geos.9	2.7.3	GEAC GLIS		System V.3	Cntl./DataLib,Innovative,Ringgold
GUARDIAN	C series	Utlas			Sirsi, Sobeco/multiLIS
	90 XF	CARL		System V.3.1, 3.2	GEAC Adv
	B40, C20	Alice-B (Ameritech)		System V.3.2	Carlyle
Hewlett-Packard MPE V/E		Inlex		System V.5.n	Comstow
Hewlett-Packard MPE/XL		Inlex, VTLS		System V.5.2	Sobeco/multiLIS
Hewlett-Packard OS		Info Dimensions	UNIX [oper. Altos]	Sys. V.5.3 DT3	CLSI (Rel. 28)
IN2	Rel.3.02	GEAC Adv	UNIX [oper. Bull]	V.2.0	GEAC Adv
INFOS II	Rev.5.01+	CoBIT	UNIX [oper. PickTel, PickBlue]		Dynix
Intel RMXII	3.0	Carlyle	UNIX [oper. Sequent]	3.017	CLSI (Rel. 28)
M/11+-Intersystems	3.X	Georgetown University	UNIX [oper. VMark, UniVerse]		Dynix
MIIS	5.3	LS/2000 (Ameritech)	VM-IBM/CMS		Information Dimensions
Motorola System V	68/88	GEAC Adv	VM-IBM/SQL	5.0+	VTLS
MVS-IBM/ESA		DOBIS, NOTIS, Info Dimensions	VMS		ULISYS, Info Dimensions
MVS-IMB/SP		DOBIS		4.0	Information Dimensions
MVS-IBM/TSO	3.7	Info Dimensions		4.4–5.2	Comstow
MVS-IBM/XA		DOBIS,NOTIS, Info Dimensions		4.5+	Centel/DabaLib
MVX-Intersystems	3.X	Georgetown University		5.0+	DataTrek
NCR [Unix V]		Sobeco/multiLIS		5.4	Sobeco/multiLIS
OS-IBM/VS1		NOTIS		5.5	Comstow
OS/400		ProData		latest	DRA, Gaylord
	3.0	CMDS, Gateway, NSC	VMS [oper. PICK]		Dynix
OS1100	3R2	Unisys	VSE	4.X-5.X	DOBIS
P/OS		CLSI			Georgetown University
PC DR MS-DOS	3.3+	SC350/ACQ350 (Ameritech)	VSE/SP		DOBIS, NOTIS
PICK		Dynix	Wang VS		NSC
			Xenix		Ringgold

(Comstow, INLEX, VTLS) are working with direct interfaces between their OPACs and these silvery budget gobblers. Other vendors, like DRA, Geac, and Carlyle, have decided that visual files (artwork, photographs, etc.) are an interesting adjunct to the bibliographic database, and have created interfaces to separate small but powerful computers that contain and manipulate these rather large files. Other vendors like Geac and DRA provide community information and referral files for their systems. For additional information regarding individual vendor forays into the edge-blurring frontier, see the individual vendor profiles (p. 57–62).

Chart 2: Worldwide Installations in Academic Libraries



Variance: +/- 1.0%

U.S. vs. foreign markets

As in last year's article, many of the vendors have continued to push into foreign markets as the domestic mid-sized library automation market becomes continually more crowded. Some of the traditional vendors are already well known for this expansionist philosophy outside U.S. borders—these include Dynix (which sold 108 systems abroad in 1990), INLEX, CLSI, and VTLS as well as those seeking inroads here, like the Canadian companies Sobeco/multiLIS and Geac. But the roster grows longer with vendors like Sirsi, which opened an office in England, and Innovative, which sold a system in Hong Kong. So the question remains: What happened worldwide and what happened in the United States?

Chart 1 presents the worldwide and U.S. market shares for total systems installed for all years. The chart is based on the newly expanded microcomputer system definition, which tends to enhance the Dynix and VTLS market shares. Considering the large base of installations examined and the increase in vendors from 17 in 1989 to 29 in 1990, a change of even one percent means a huge difference in the number of installations.

No matter how you count it, Dynix has finally reached a long-sought corporate goal of becoming the largest installed vendor with 478 systems worldwide and an 18 percent market share, eclipsing CLSI's now second place 335 and 12 percent share. Most of the other leaders pretty well take their usual places from the last year's all-year count. DRA at six percent and Innovative at seven percent remain unchanged. Both Geac and NOTIS are down one percent from last year at eight percent and five percent, respectively. DOBIS, the worldwide IBM-based software package, is down two percent, resting at six percent.

A newcomer to the chart for this year is Information Dimensions, a software-only vendor marketing to special libraries, with a worldwide market share of seven percent. This vendor fares as well when looking at U.S. sites, where its market share also holds at 6.5 percent. Geac per-forms similarly. Others whose overall user bases are heavily foreign do not fare as well. Like last year, Canadian firm Sobeco/multiLIS shows a large drop from four percent worldwide to less than one percent in the United States. Perhaps most surprising, while DOBIS posts a still very respectable worldwide base of six percent, it almost drops off the chart with only one percent in the United States.

The 1989 and the 1990 worldwide vendor totals for *all years* remain relatively predictable. This is not true for the totals for 1990 alone. There are some new players that have recently taken the market by storm, and a few of the older ones have demonstrated some serious decline. Chart 1 also presents the worldwide and U.S. market shares for systems installed during 1990 only.

In looking at worldwide 1990 installations, Dynix again shows a clear lead by capturing a 31 percent market share, shattering its 26 percent 1989 performance, and the 21 percent pace set by the company in 1988. The worldview continues to be strongly focused on Dynix, especially in the Australia/New Zealand market, where Dynix exceeded its 1990 U.S. performance by 69 to 63.

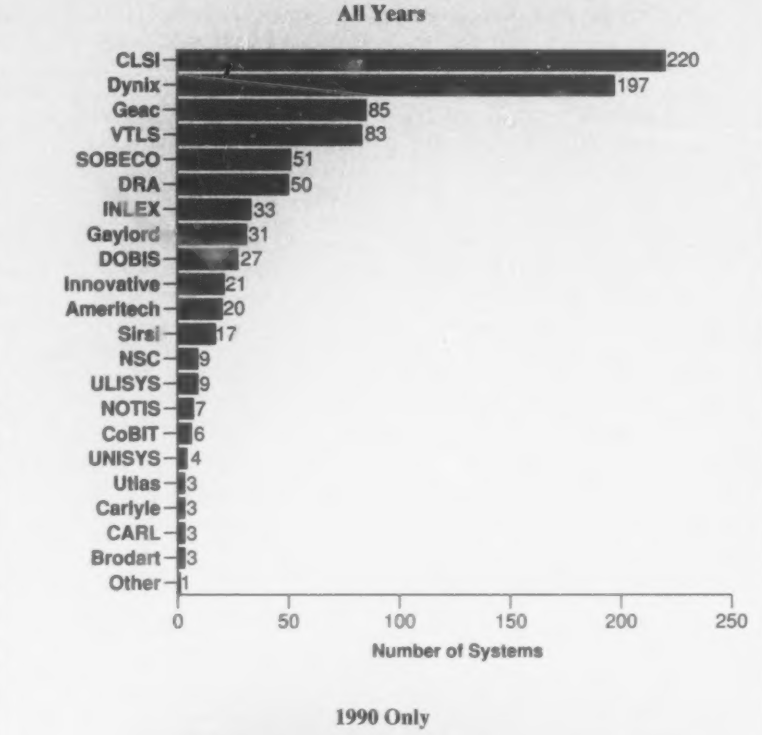
When focusing on U.S. 1990 marketplace activity, Dynix leads the U.S. market with a very respectable 18 percent market share, up from 17 percent in 1989. Second and third place go to Innovative with 13 percent and DRA with 12 percent. Last year Innovative and Dynix were slugging it out for the numeric lead. This year Dynix took it, with Innovative and DRA in a virtual dead heat for second.

Nevertheless, there are several other vendors the marketplace should be watching. Sirsi, featured as a newcomer in last year's article, continues as a strong presence with 33 systems in 1990 and a ten percent U.S. share. INLEX, also a steady performer, managed seven percent. The real surprise was Gaylord, which in its first full year of operations took rookie-of-the-year honors by selling 31 of its new Galaxy systems and gaining a nine percent share. Another vendor to watch is CLSI. Now under new management, it may be a mistake to forecast the future of this library automation giant based on declining market shares or the number of new system sales for 1990. The company has considerable resources to bring to bear on its current business position.

Software-only sales

A trend that has grown considerably since last year is the "software-only" system acquisition. (For a detailed description of this sales method, please see last year's article.) Larger academic libraries used to be the most likely candidates for purchasing library automation software and mounting it upon an existing

Chart 3: Worldwide Installations in Public Libraries



minicomputer or mainframe. This is no longer true. Additionally, some of the vendors that have been most closely associated with the turnkey selling approach have decided to follow this ever-increasing tide. Sirsi reports that, although over 50 percent of its sales went to school libraries in 1990, a startling 69 percent of its sales were software-only. DRA, although down from its 1989 total of 80 percent, still reported a 66 percent rate in 1990.

As reported last year, many of the vendors have shown some skittishness regarding system performance and reliability. This also is beginning to change somewhat. As system performance becomes more predictable and as librarians become more adept at purchasing and operating their computer systems without the hand-holding that turnkey arrangements provide, some vendors are beginning to return some system performance guarantees, including response time. Usually these assurances require the library to allocate very specific computing resources, including disk space, main memory, terminal counts, computing power.

Academic libraries

During 1989, we reported that the marketplace saw a large jump in the total number of systems installed in academic libraries in comparison to the number of installations in public libraries, which had slowed considerably. Public librarians, please take heart! This trend completely reversed itself in 1990. Chart 2 illustrates the worldwide market shares for academic libraries for all years and 1990. The 1989 worldwide installation count was 152 in academic libraries and 117 in public libraries. In 1990 the counts were 165 academic and 193 public, largely on the heels of the availability of the smaller library system. If 1990 was not your year to automate, perhaps 1991 will be.

It was no surprise that Innovative again topped the academic library chart for all years, nor was its 1990 performance, picking up right where it left off in 1989. But Dynix was a big surprise in 1990, displacing NOTIS as the all-time second place holder, and pulling even with Innovative's 33 systems for 1990. DRA also had an excellent year in the academic marketplace during 1990, its 26-system effort buoyed not only due to the company's willingness to provide software-only sales, but also its ag-

Table 3: System Interfaces

Vendor	OCLC	RLIN	WLN	Utlas	Biblio-File	Auto-graphics	Marcive	Baker & Taylor	Laser-Quest	Brodart	Other Interface
Brodart	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
CARL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Carlyle	✓	✓		✓	✓						
Centel/DataLib	✓	✓									
CLSI	✓	✓	✓	✓	✓	✓	✓(tape)	✓(tape)	✓	✓	LSSI; PICA (tape)
CMDS	✓				✓						
CoBIT	✓			✓			✓		✓		
Comstow	✓				✓		✓				Any LC Cataloging
Data Research	✓	✓	✓	✓	✓	✓	✓	✓		✓	DRANET
Data Trek	✓	✓	✓		✓		✓	✓	✓	✓	MITINET
DOBIS	✓	✓	✓		✓						
Dynix	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	LaserCat; SuperCat; Multinet
Gateway	✓		✓		✓		✓		✓		RetroLink, Winnebago, SuperCat
Gaylord	✓						✓				SuperCat, Yankee Bks.
Geac Adv. GLIS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Georgetown	✓										
Info Dimensions	✓	✓	✓	✓	✓		✓	✓		✓	
Inlex	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	LaserCat, LC Authorities
Innovative	✓	✓	✓	✓	✓	✓	✓	✓	✓		
LS/2000 (Ameritech)	✓			✓			✓			✓	
NOTIS	✓	✓		✓	✓	✓	✓	✓	✓	✓	SuperCat, CD-MARC
NSC	✓	✓			✓		✓	✓		✓	
Ringgold	✓										
Sirsi	✓		✓	✓		✓	✓	✓	✓	✓	SuperCat, Books in Print
Sobeco/multiLIS	✓		✓	✓	✓	✓	✓	✓	✓	✓	
ULISYS	✓	✓	✓	✓	✓	✓		✓		✓	Natl. Lib. Canada
Unisys	✓	✓	✓	✓	✓	✓	✓	✓		✓	
Utlas	✓	✓	✓	✓	✓	✓	✓	✓		✓	
VTLS	✓	✓	✓	✓	✓	✓	✓	✓	✓		SuperCat

Tape = data transfer via magnetic tape load only; not an interactive, online interface gressiveness in moving to the smaller-system end of the scale.

It is more difficult to pick a "loser" category this year, unless it would be DOBIS. The company had no U.S. sales this year, and one of its current sites is planning to migrate to another vendor during 1991. The transfer of marketing headquarters from IBM/U.S. to IBM in Ireland provides another indicator of the company's stance in the U.S. market. One of the major strengths of the DOBIS systems has always been its multilingual capabilities, and this historically has made it a strong contender in Europe. The 1991 marketplace will tell the tale of the worldwide impact of this shift in DOBIS's marketing direction.

Table 4: Size of Installations

Vendor	Smallest Library Installed		Largest Library Installed	
	Terminals	Titles	Terminals	Titles
Brodart	1	30,000	16	1,000,000
CARL	88	200,000	1000+	5,100,000
Carlyle	1	36,000	150	2,500,000
CLSI	2	20,000	347	907,500
CMDS	6	50,000	15	110,000
CoBIT	17	72,281	334	453,842
Comstow	2	3,000	32	400,000
Data Research Assocs.	5	20,000	600+	1,400,000
DataTrek	1	2,000	10	110,000
DOBIS	3	50,000	1,000+	2,000,000+
Dynix	2	6,000	512	1,200,000
Gateway	8	19,000	74	75,000
Gaylord	2	26,000	44	125,000
GEAC	3	30,000	254	2,100,000
GEAC Advanced	2	55,000	165	1,200,000
Information Dimensions	2	5,000	350	450,000
INLEX	12	25,000	200	345,000
Innovative Interfaces	2	5,000	230	1,500,000
NOTIS	15	18,800	1,200+	6,200,000
NSC	8	5,000	64	500,000
Sirsi	1	2,000	70	927,000
Sobeco/multiLIS	4	10,000	250	2,500,000
ULISYS	8	52,379	238	587,576
Unisys	10	7,800	3900+	1,800,000
Utlas	18	80,000	225	3,000,000
VTLS	2	6,500	200	5,000,000

Public libraries

A few surprises occurred in the public library marketplace. During 1990, CLSI continued its dominant position as leader in worldwide installations with a new total installation base of 220 public libraries, followed by an ever-closing Dynix with 197 public institutions. The 1990 year was an astounding one for Dynix, which remained the clear favorite vendor of public libraries with 68 worldwide installations in 1990, more than double its total in 1989. The second-place finisher was Gaylord, a new face in this marketplace. Although its 27 systems were numerically far behind, this is an outstanding effort by any reasonable measure; it would have been a close second behind Dynix just last year. Another strong finisher in 1990 was Geac with 25 systems, on the strength of its Geac Advance product line.

Very small and very large systems

As shown in Chart 4, the major vendors of small systems, those having between two and 16 terminals, saw a few changes in 1990. Dynix extended its lead considerably, with Gaylord, Geac, and Sirsi showing new strength in this market segment. Other traditional names maintained their presence here also, including Sobeco, Innovative, and CLSI.

As shown in the medium-sized range, those systems having between 17 and 64 terminals, the worldwide total still belongs to CLSI, which has always been strong in this range. Other vendors that are showing signs of rapidly overtaking the classical vendor include Dynix, Innovative, DRA, and Geac.

When looking at the behavior patterns of the large systems, those having between 65 and 175 terminals connected, CLSI still maintains an overall lead. Innovative continued to have a reputation of being a "smaller library vendor" and had an excellent year in this range also. Like Dynix last year, Innovative can begin to cast aside that "small vendor" stereotype.

Some very large systems, those with more than 176 terminals installed, were installed in 1990. The historic leaders of the very large system have been CLSI, Geac, Utlas, and NOTIS (NOTIS doesn't appear in the chart since it did not complete the "terminal categories" portion of the survey). During 1990, Dynix led this segment as well with five systems. CARL installed four of these behemoths, and, stair-stepping down, DRA had three, Geac had two, and VTLS and Sobeco each had one.

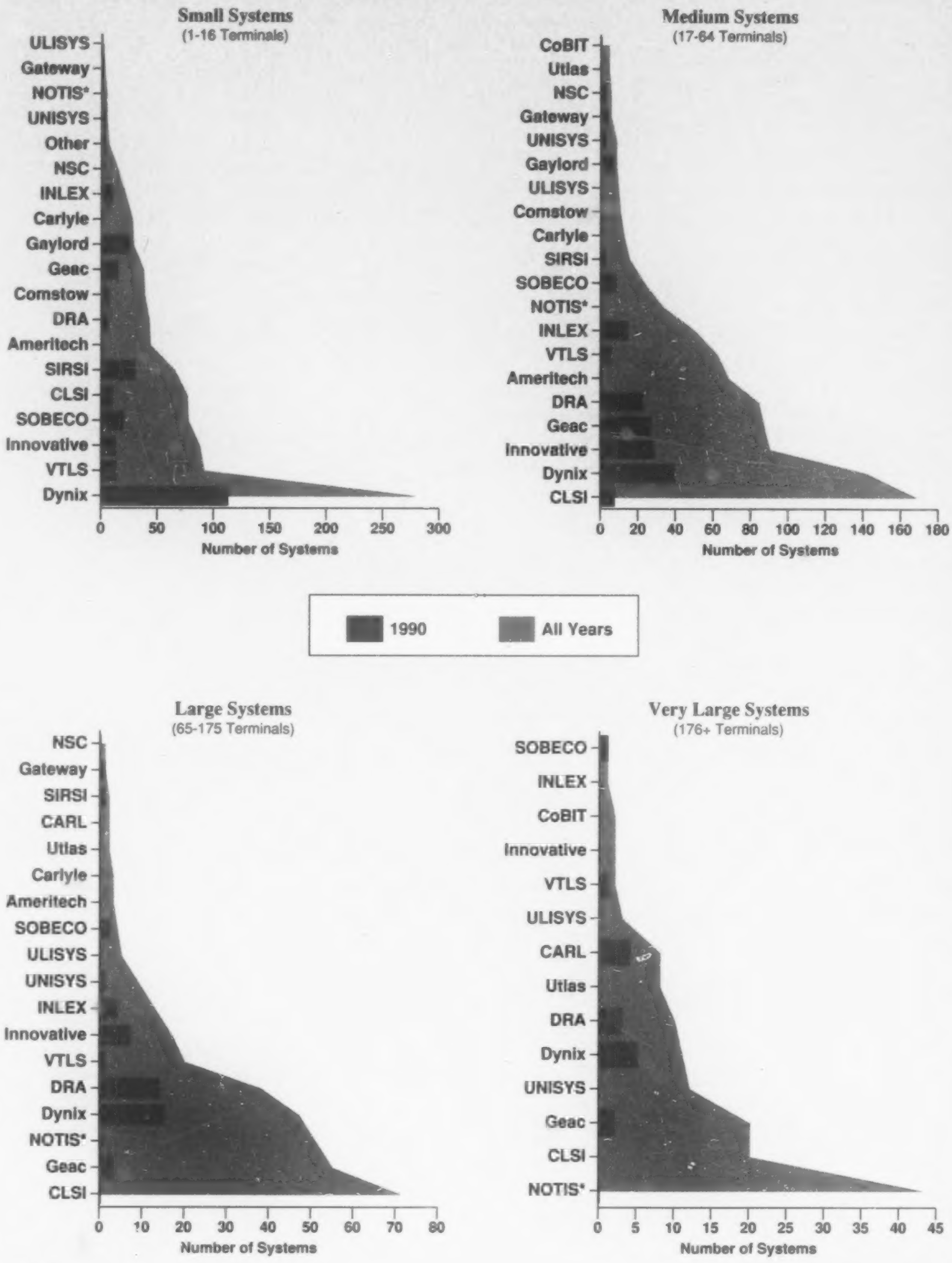
Vendor profiles

Based on the dimension changes occurring in the marketplace, let's examine the individual track records for the vendors during 1990.

Ameritech Information Systems

Ameritech is a newcomer on the library automation scene. The company, a wholly owned subsidiary of the regional Bell operating company, entered the library marketplace in 1990 with a three-fold mission: to market Bell networking products; to promote Bell telecommunications technology; and to offer a complete range of integrated services to its clientele. To further these goals, the company completed acquisition of OCLC's Local Systems Division in mid-1990 and continues to market the LS/2 and LS/2000 systems to a somewhat skeptical audience. Other recent acquisitions include Tacoma Public Library's Alice-B system, a CD-ROM/minicomputer-based hybrid, which Ameritech is positioning for high-transaction libraries in 1991. Although Ameritech's statistical performance in this article does not look that impressive, remember that this article is aimed at the integrated system marketplace. Therefore,

Chart 4: Vendor Installations Worldwide



Variance: +/- 1%

*1990 figures not available

the survey does not accurately reflect fully one-half of Ameritech's product line. The popular ACQ350/SC350 micro-based systems accounted for all of the company's sales in 1990. Ameritech states that it is committed to the library marketplace. With the power of one of the regional Bell operating companies behind it, it may very well be here to stay.

Brodart Automation

Brodart is already familiar to librarians as a supply house and book jobber; now the company aims to become familiar as an automation vendor with the Interactive Access System (IAS)—theoretically, an integrated online library system for everyone. Instead of installing and operating a computer in the local library, access to the centralized system is accomplished via time share arrangement. Software licensing is also available for those libraries wanting to follow the current trend of operating decentralized computers (IBM mainframes only, please). Currently stressing cataloging and database maintenance subsystems, the system should expand into more fully developed circulation and OPAC functions in 1991. So far takers are few, but 1991 should prove interesting for this system alternative.

CARL Systems, Inc.

Once again, CARL's performance is not well portrayed by our survey instrument. by our count, CARL only has a grand total of ten installations, ever. However, these ten installations serve over 200 libraries and support over 3400 dedicated terminals. Their figures for largest and smallest installations, presented in Table 5, are just as telling. By focusing on networking rather than individual installation sites, CARL improved its financial position and added employees for the second year running. The four installations CARL reported for 1990 are also impressive: Northeastern University Libraries in Boston, the Sno-Isle Regional Library in Marysville, Wash., the University of Hawaii, and the University of Maryland system. This last site, serving 13 libraries, was installed with a five-year terminal projection of 1500 users. CARL continues to be a very big "little guy" in the world of large-system vendors.

Carlyle Systems, Inc.

Carlyle spent all of 1990 in a rebuilding phase. The company has completed the translation of its software modules into UNIX and has entirely revamped its problematical circulation system from previous years. Carlyle has also announced the development of a standalone multimedia/image management system, which it hopes to integrate with its online system in 1991. Beta testing is scheduled in 1991 for new acquisitions and serials modules.

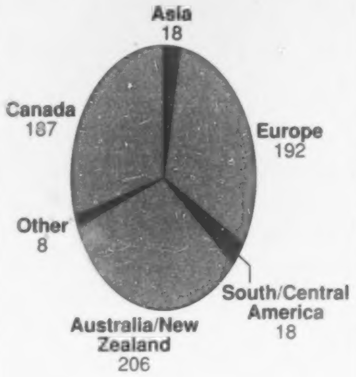
Centel/DataLib

DataLib appears in this survey for the first time this year. This software-only vendor began in the late Seventies by providing software to support the acquisitions functions of several federal libraries. Since that time, the product has expanded into a fully integrated online system that operates on existing host computers. The company's clientele now consists mainly of special libraries in the corporate setting. Accomplishments in 1990 include the development of a full-MARC interface for the import, storage, and export of records. DataLib plans to release Version 9.7 in the spring of 1991.

CLSI

CLSI continues to appeal to the public library sector of the marketplace. The company—and its new president, Bob Walton—continues to work on customer support, an area requiring considerable attention. On the technical front, CLSI announced the completion of the LIBS 100plus System, a second-generation software package that complements CLSI's move from proprietary operating systems to the more standard UNIX platform. Ethernet networking capabilities via the TCP/IP protocol have also been introduced. Other software enhancements include an enhanced report writer and a pull-down-window user interface. For 1991, joint ventures seem to be the company's focus; CLSI rolled out a plan at the ALA Midwinter Meeting for cooperative installations using CLSI's circulation control (LIBS 100plus) and OPAC with the popular INNOVACQ serials control and acquisitions modules.

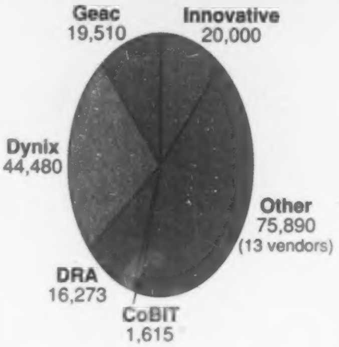
Chart 6: Total Foreign Installations by Geographic Region



Variance: +/- 1%

Chart 5: Estimated Library Systems Revenues of Automation Vendors 1990

(In Thousands of Dollars)



Total Revenues: $177,768
Variance: +/- 5.0%

CMDS

CMDS's response to this year's survey was problematic, as little or no specific user identities were provided. This led to its formal designation as "other" in many of our charts. This software-only vendor appears to concentrate on the academic sector of the market; its library automation system is part of a larger package designed to support the administrative infrastructure of smaller colleges, universities, and schools. Its products are mainly tied to the IBM AS/400 platform, with a total revision of circulation, OPAC, and cataloging modules completed in 1990. The company plans to finish the development of a graphic user interface for its TEAMS2000 product in 1991, including windows, action bars, pull-down menus.

CoBIT

CoBIT responded to this survey for the first time in 1990. Formed in 1989 after completing the purchase of The Library Machine (TLM) from OHIONET, the company focuses mainly on public libraries and offers a cooperative approach to software licensing. CoBIT users become owners of this not-for-profit corporation, and the company claims that its members thereby have a strong commitment to its vitality. Based on the Data General MV/Series minicomputers, one of the more interesting membership benefits is the inclusion of a complete word processing package as part of the library automation software. Accomplishments in 1990 include a stronger MARC-based cataloging interface and an upgrade in TLM's operating system (AOS/VS II).

Comstow Info Svcs./BiblioTech

Comstow, focusing mainly on corporate and government libraries, had a successful year in 1990. This software-only vendor has previously been dependent upon the VAX/VMS environment, but its products are being ported to UNIX platforms for 1991. The UNIX-based BiblioTix software has been released for Beta testing at HP/Apollo Computers. CD-ROM interfaces with the VAX software have also been a focus of development. The company's hallmark appears to be the integration of special library databases with other company/institutional applications.

Data Research Associates (DRA)

DRA again showed tremendous growth this year, especially in the academic market: its overall user base increased by one-third. Known for its adherence to computer and library automation standards, this off-the-shelf DEC/VMS system vendor continued its campaign for openness in vendor financial information. Its efforts were only marginally successful, as only about a half-dozen vendors agreed to bare their financial souls to the library community. In the past year, the company's products have been upgraded, and contracts have been signed to provide online interfaces with UMI, IAC, and Wilson to allow real-time access by users of DRA systems. Another accomplishment for 1990 included networked authority verification. Traditionally considered a vendor of choice for larger libraries, 1990 found DRA beginning to show real visibility in its marketing to some of the smaller libraries (20–30 terminals). Major goals for 1991 include increased customer support and further expansion into the international market.

DOBIS

The responsibility of marketing and support of the DOBIS/LIBIS software has been transferred from IBM U.S. to IBM EMEA, a subsidiary of Big Blue that focuses on Europe, the Middle East, and Asia. Not surprisingly, DOBIS reported no U.S. sales in 1990. Goals for 1991 remain unclear, the survey forms having been delayed in transit between Connecticut and Ireland, resulting in a very late and abbreviated response. We anticipate expanded information in 1991.

Dynix, Inc.

Dynix showed the beginnings of a new marketing philosophy in 1990. Although sales in its traditional client bases continued to be strong, Dynix made an increased effort to reach smaller customers. The terminal count charts in this article are revealing, but fully 43 percent of all the 171 systems sold by Dynix in 1990 contained eight or fewer terminals, and 65 percent of them contained 16 or fewer. While the act of selling this unprecedented number of systems is a stunning accomplishment, one must also consider the potential market growth area for libraries of this size. Not surprisingly, Dynix's stated goal for 1991 was a broad expansion into the smaller library market, especially as more libraries go to software-only purchases. In fact, 14 percent of 1990 procurements were software-only, compared to its cumulated total of 18 percent. Its product line, already supported by a diversity of hardware platforms, was enhanced by the Dynix Scholar system, designed to run on smaller 386- and 486-based workstations. The Scholar has been competitive in the K-12 market. Another interesting Dynix product is the Dynix Marquis system, which appeared at ALA Midwinter. Designed to drop into an existing LAN, albeit by adding a database file server and a considerable amount of RAM to each workstation, the Marquis product reflects an ever-growing trend toward more distributed computer networks, especially in special and corporate library operations. This product, along with the Dynix Scholar, will be an interesting pair to watch in 1991. Dynix also rapidly continues to grow worldwide, with new offices in Singapore, Taiwan, and Hong Kong.

Gateway Software Corporation

Gateway, based in Montana, is a newcomer to our vendor profiles. The company specializes in software-only sales to school districts, where the library automation software is usually a subsystem to the school district's administrative package. Its installations in 1990 grew from three sites to eight. Gateway's library product is based on the IBM AS/400 platform. Achievements in 1990 include the introduction of full Boolean keyword searching, subject heading searching, textbook management, and inventory control systems. Goals for 1991 are the development of a media booking module (an important component for school libraries) and authority control.

On Calculating Market Share: A Definition

In reviewing the results of the 1990 marketplace, readers should be aware of the following conventions used during the analysis. Because of the continually changing technology, some of the standards used in previous years have been altered, yielding considerable changes in the overall counts.

- When the author determined that vendors had counted libraries sharing a system as multiple installations, adjustments were made to vendor responses to determine individual installation sites; these sites were then counted in the tallies.

- Although the use of microcomputers by libraries for circulation, online catalogs, and for technical services activities is important, this article is focused on multiuser integrated library systems. Many of these smaller systems, although based on current microcomputer technology, also fall within the same integrated multiuser definition. Therefore, some of the more powerful microcomputer-based systems are now included in the analysis portion of the article.

- As in last year's article, certain vendor totals may look exaggerated or incorrect. Please note that the author adjusted the total installations reported based upon the number of systems installed and the number of systems "removed" as libraries grew into their second and third automated systems during 1990. Numbers should now reflect the current user base.

Gaylord Information Systems

Gaylord's GALAXY product had strong sales in 1990, jumping from five installations in 1989 to a total of 36 in 1990. The product (with modules for cataloging, circulation control, PAC, E-mail, report generation, authority control, reserve room, and ILL and bookmobile support) is based on the popular DEC MicroVAX Series of computers, operating under the proprietary—but ubiquitous—VMS operating system. The company's vice president, Charles Farley, told us at the beginning of 1990 that Gaylord would address the smaller library automation market. Its success seems to indicate the marketing potential for this area. Data conversion continues to be a major component of Gaylord's business. Some of its products, like the CD-ROM-based SuperCat cataloging system, are again designed primarily for the smaller library market, as many of these institutions are not members of a major bibliographic utility. Serials control modules are slated for development in 1991.

Geac Computer Corp. Ltd.

Geac continued many of the trends it began in 1989. Financial stability improved and earnings in 1990 were twice that posted in 1989. We suspect that most of these figures are attributable to Geac's UNIX/Pick-based Advance products, since sales of the Geac proprietary GLIS system continue to be weak in the United States (despite the introduction of the new GEAC 9302 computer system). Geac also appears to be stressing telecommunications in its new products, having developed several interfaces in the past year. One such product is the Local Information Module (LIM) for the GLIS system, displaying community information. Another is DataWay, an X.25 communication package allowing GLIS terminals simultaneous access into as many as 16 remote computer hosts. Like several other vendors, Geac has devised a microcomputer-based image-collection system interfaced to its primary computer, with access using OPAC indexes. Release 2.0 of the Geac Advance System debuted in 1990, containing a new acquisitions module supporting BISAC standards. Nineteen hundred ninety-one is Geac's 20th anniversary year, and libraries can expect special marketing tactics to continue to stress Geac's intersystem communications.

Information Dimensions

Information Dimensions is another software-only vendor that made large gains in the special library segment of the marketplace. Its 1990 installations number 25, with the United States and Europe as the company's biggest audience. Information

Dimensions is in the process of migrating its user base to new UNIX-based platforms for Sun, HP, and CDC computers. An acquisitions module was released in December. The coming year will bring continued efforts in migrating its user base to UNIX.

INLEX

INLEX had a year of steady growth in 1990, with an equal number of installations in the academic and public library sectors. Almost all of these systems were sold in the United States, proving that INLEX is keeping abreast of its established competitors. Although most of its installations are still medium-sized in terminal counts, the company has now installed a total of eight systems with terminal counts of 80 or better. INLEX, based on the durable HP 3000 Series hardware platform, completed development of its acquisitions module in 1990, as well as two sophisticated database customizer/report generator modules—the Editor and the Reporter. Also, its information and referral/local database modules were released in 1990. For 1991, INLEX plans to complete the development of a reserve room module and an interface to a CD-ROM jukebox.

Innovative

Innovative Interfaces had another stellar year in 1990. Revenues grew by a total of 66 percent to $20 million; 1989 revenues "only" grew by 50 percent. This makes the two-year growth of the company an astonishing 151 percent, moving it to fourth place in worldwide all-year installations, displacing DOBIS, and third in the U.S. all-year totals. Its 1990 U.S. performance of 43 installations was equally consistent, placing the company second to Dynix's 63 and just ahead of DRA's 41 system U.S. sales efforts. As mentioned above, Innovative is entering a joint venture with CLSI in 1991, adding its serials/acquisitions modules to CLSI's base product. Another interesting trend is the rise in the number of Innovative's 1990 software-only installations, which represent 25 percent of total sales. Innovative also installed its first system in Asia this year—at Hong Kong University of Science and Technology. Other 1990 milestones include support for Chinese/Japanese/Korean character sets, materials booking, and E-mail. Goals for 1991 include strengthening customer service, and a continuing visible presence in the marketplace.

NOTIS

NOTIS behaved characteristically in the 1990 marketplace. The company reports 15 installations last year, 14 of which (not surprisingly) were in the academic sector. Although 80 percent of these installations were software-only, reflecting the IBM platform common in college and university campuses in the United States, the drop from 100 percent remains significant. KeyNOTIS, a new turnkey product designed primarily for smaller libraries, was successfully installed at three sites last year—Messiah College (Pa.), Robert Morris College (Pa.), and Delaware State College. The company released a significant software upgrade in 1990, focused on the OPAC and circulation modules. Also completed in 1990 were additional upgrades to the Multiple Database Access System (MDAS), a module providing access to other online databases using the same search commands as the OPAC. NOTIS also enhanced its bibliographic utility interface software this past year to function with either OCLC's First System or Prism System, as well as downloading from CD-ROM-based MARC cataloging systems. For 1991, NOTIS plans location-based catalogs, useful for libraries, branches, or collections sharing a single NOTIS system. Other efforts include serials check-in enhancements, and NOTIS system-to-system links. Of special interest will be the marketplace progress of the KeyNOTIS system, and the spillover of its user-defined features to the classic NOTIS product.

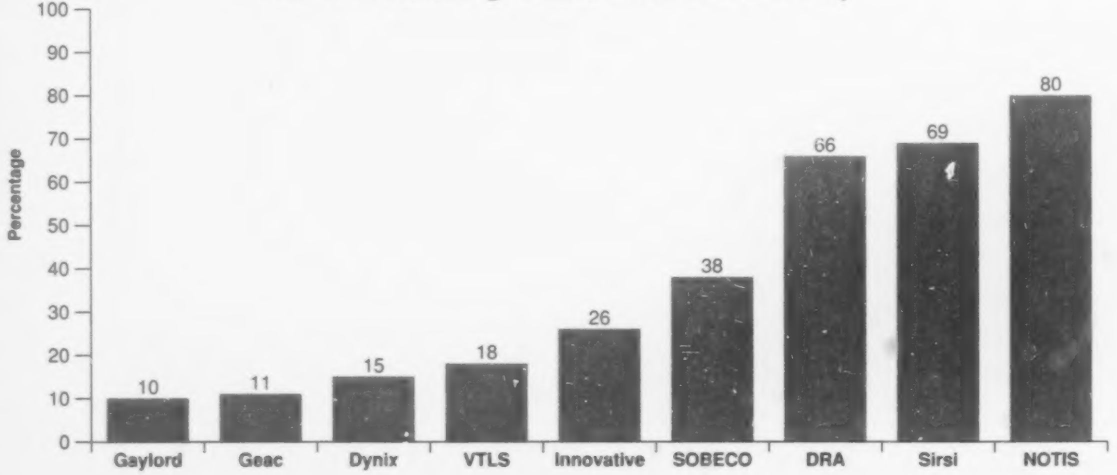
NSC

NSC is another software-only vendor highlighted for the first time this year. Based on the IBM AS/400 series computers, NSC increased its user base from 17 in 1989 to 20 in 1990. A full-featured system containing all of the usually encountered subsystems, in 1990 NSC added an interface to OCLC Prism, keyword searching and stop lists, and authority control processing. Plans for 1991 include enhancement of the serials/acquisition module and an electronic data interface for order/invoicing processing.

Sirsi

Although often and incorrectly considered a small-system vendor exclusively, Sirsi did not have a small year in 1990, with its user base growing by 76 percent, from 46 systems to 81. Sirsi has a wide spectrum of user types, more or less evenly distributed among academic, public, and special libraries, with slightly heavier emphasis in the public school sector. This was especially apparent in 1990, as 54 percent of its sales occurred here. A large volume of its sales (71 percent) were software-only, reflecting the company's strong commitment to the UNIX operating system and to the wide distribution of these economical platforms. In 1990, Sirsi completed an upgrade to its retrieval interface manager, which translates Sirsi search commands into online database commands for services like DIALOG and OCLC EPIC. Sirsi also announced new releases of its OPAC and serials control subsystems for 1990, and additional upgrades are in the works for 1991.

Chart 7: Percentage of 1990 Sales: Software Only



Figures include typical turnkey sale and joint venture sale vendors (where hardware manufacturer jointly participates in proposing the system)

Sobeco/multiLIS

multiLIS strengthened its commitment to the U.S. marketplace by opening its first branch office here in 1990, Multicore Library Services Inc. Several user groups were also established last year. Canada continues to be its biggest marketplace, where the vendor claims to have the largest installed user base for any library automated system. In 1990, multiLIS opened an office in Paris and sold eight systems in France. An interesting product compiled to run either on UNIX-based or DEC VAX VMS–based platforms, new serials and circulation modules are scheduled for release this summer, and a new PC-based version of multiLIS will also be released, promising identical functionality with existing multiLIS software. As the smaller library marketplace continues to heat to a boil, this product may be one to watch.

UNISYS

UNISYS PALS system is generally regarded as serving large computer terminal networks. Although 12 of its 33 users fall into the 176-plus terminal count (with one listed as 3200-plus), fully a dozen systems have 32 or fewer teminals. The PALS product saw five installations reported for 1990, and four of them had 32 or fewer terminals. During 1990, the product saw a new software release and a new authority control module. Goals for 1991 include external database searching, enhanced OPAC capabilities, currency conversion, and public library–specific enhancements.

VTLS

Once again, VTLS had a steady year in 1990, increasing from 159 to 187 users. Europe and the United States continue to be its largest customers. VTLS operates on the HP Series 3000 and the IBM ES/9000 platforms, the latter providing some interest for those institutions that run Big Blue shops. Micro-VTLS, a PC-based software package, accounted for eight systems in 1990. Product announcements for 1990 were rather sexy: a multimedia OPAC with the capability to handle music, voice, imaging, and full text; an OPAC/CD-ROM interface that would allow users to access CD databases from their terminals; and an artificial intelligence interface to the OPAC, with a version for IBM and Macintosh workstations. And, for a touch of glasnost, VTLS has announced completion of the customization for the Lenin State Library in Moscow, complete with a Cyrillic character set. More multimedia developments seem to be the VTLS focus for 1991.

Source List

Advanced Libraries & Information, Inc.
(see Geac)

Ameritech Information Systems
4950 Blazer Memorial Pkwy.
Dublin, OH 43017-3384
800-848-5878

Brodart
Library Automation Div.
500 Arch St.
Williamsport, PA 17705
800-233-8467
717-326-2461

CARL Systems Inc.
777 Grant St., Suite 304
Denver, CO 80203
303-861-5319
FAX 303-830-0103

Carlyle Systems, Inc.
2000 Alameda de las Pulgas
San Mateo, CA 94403
415-345-2500
FAX 415-654-0464

CLSI, Inc.
320 Nevada St.
Newtonville, MA 02160
800-365-0085
617-965-6310
FAX 617-969-1928

Central Federal Svcs., Inc. (DataLib)
11400 Commerce Park Dr.
Reston, VA 22091
800-843-4850
FAX 703-758-7306

CoBIT
3380 Tremont Rd.
Columbus, OH 43221-2112
800-337-1222
614-538-1222

Columbia Computing Svcs.
8101 E. Prentice Ave.
Suite 700
Englewood, CO 80111-2911
800-663-0544
FAX 303-773-9630

Computer Management & Development Services
(CMDS)
1661 Virginia Ave.
PO Box 1184
Harrisonburg, VA 22801
800-999-2637
FAX 703-432-5275

Comstow Info Svcs.
249 Ayer Rd., PO Box 277
Harvard, MA 01451-0277
508-772-2001

Data Research Assocs., Inc.
1276 N. Warson Rd.
PO Box 8495
St. Louis, MO 63132-1806
U.S. 800-325-0888
Canada 800-331-3515
FAX 314-994-8927

Data Trek, Inc.
5838 Edison Place
Carlsbad, CA 92008
800-876-5484
619-431-8400
FAX 619-431-8448

Dynix, Inc.
151 E. 1700 S.
Provo, UT 84606
800-288-8020
801-375-2770
FAX 801-373-1889

EBSCO Subscription Svcs.
PO Box 1943
Birmingham, AL 35201
205-991-6600

F.W. Faxon Company
15 Southwest Park
Westwood, MA 02090
617-329-3350

Follett Software Company
809 N. Front St.
McHenry, IL 60050-5589
800-323-3397
815-344-8700
FAX 815-344-8774

Gateway Software Corp.
1645 Ave. D
Billings, MT 59102
406-256-9716
800-359-3641

Gaylord Information Systems
PO Box 4901
Syracuse, NY 13221-4901
800-962-9580
315-457-5070
FAX 315-457-8387

Geac Computers, Inc.
70 Valleywood Dr.
Markham, Ontario
Canada L3R 4T5
416-475-7733
FAX 416-475-0525

General Research Corp.
5383 Hollister Ave.
PO Box 6770
Santa Barbara, CA 96130
800-235-6788

Georgetown University Medical Center
Dahlgren Memorial Library
3900 Reservoir Rd. NW
Washington, DC 20007
202-687-1035
FAX 202-687-1862

IBM (DOBIS)
Library Marketing
472 Wheelers Farms Rd.
Mail Stop 33
Milford, CT 06460
203-783-7350
FAX 203-788-7636

IME
990 Washington St.
Dedham, MA 02026-6790
617-320-0303
FAX 617-302-0793

Information Access Corp.
11 Davis Dr.
Belmont, CA 94002
415-591-2333

Information Dimensions
655 Metro Place S.,
Suite 500
Dublin, OH 43017-1396
800-DATA-MGT
614-761-7446
FAX 614-761-7290

INLEX, Inc.
One Lower Ragsdale Dr.
Bldg. #1, Suite 100
Monterey, CA 93940
PO Box 1349
Monterey, CA 93940
800-553-1202
408-646-8600
FAX 408-646-0651

Innovative Interfaces
2344 Sixth St.
Berkeley, CA 94710
800-444-2344
415-644-3600
FAX 415-644-3650

JES Library Automation Consulting Svcs., Inc.
104-221 Blue Mountain St.
Coquiltam, B.C.
Canada V3K 4H3
604-939-6775

Library Corp. of America
(The Intelligent Catalog)
Research Park
Inwood, WV 25428
800-624-0559
304-229-0100
FAX 304-229-0295

MultiLIS Corporation
505 Rene-Levesque Blvd. W.
Montreal, Quebec
Canada H2Z 1Y7
514-878-9090
FAX 514-875-2673

NSC, Inc.
428 W. Ryan St.
Brillion, WI 54110
800-624-5720
FAX 414-756-2359

NOTIS Systems, Inc.
1007 Church St., 2d fl.
Evanston, IL 60201-3622
708-866-0150
FAX 708-866-0178

OCLC, Inc. (LS/2000)
Local Systems Division
(see Ameritech Info)

ProData Computer Svcs.
9290 W. Dodge Rd., #406
Omaha, NE 68114
402-399-9997
800-228-6318
FAX 402-399-8249

Ringgold Management Systems, Inc.
PO Box 368
Beaverton, OR 97075-0368
503-645-3502
FAX 503-690-6642

Sedna Corporation
PO Box 22436
Minneapolis, MN 55422
612-535-2326

Sirsi Corporation
110 Walker Ave.
Huntsville, AL 35801
205-536-5884
FAX 205-536-8345

Sobeco Group
(see MultiLIS Corp.)

Tacoma Public Library
(see Ameritech Info)

TKM Software Ltd.
PO Box 1525, 839 18th St.
Brandon, Manitoba
Canada, R7A 6N3
204-727-3873
FAX 204-727-3338

ULISYS Software Group
Universal Library Systems
(see JES Lib. Automation)

UNISYS
PO Box 500, MS/B140
Blue Bell, PA 19424
215-986-4023
FAX 215-986-6230

Utlas International Canada
80 Bloor St. W., 2d fl.
Toronto, Ontario
Canada M4S 2V1
800-268-0982
416-923-0890
FAX 416-923-0935

Utlas Internat. U.S., Inc.
8300 College Blvd.
Overland Park, KS 66210
800-33-UTLAS
913-451-3111
FAX 913-451-2551

VTLS, Inc.
1800 Kraft Dr.
Blacksburg, VA 24060
800-HOT-VTLS
703-953-3605
FAX 703-231-3648

Winnebago Software Co.
310 W. Main St.
PO Box 430
Caledonia, MN 55921
800-533-5430
507-724-5411
FAX 507-724-5411

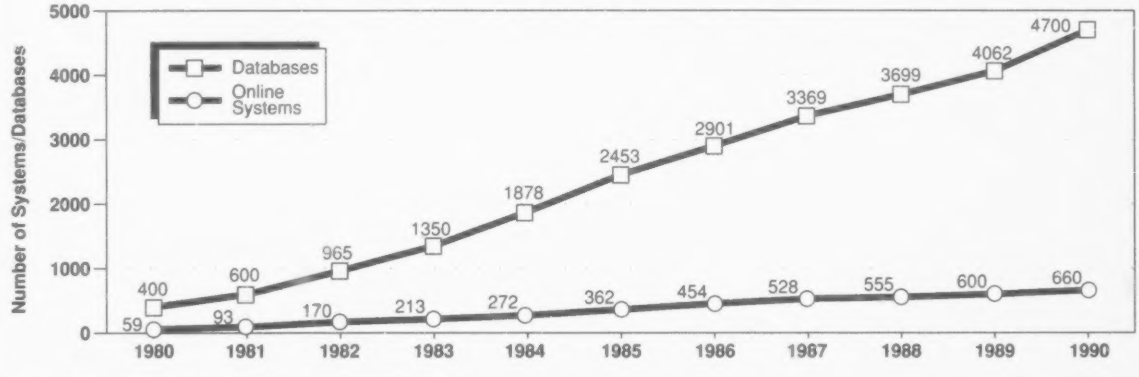
□ONLINE DATABASES□

BY CAROL TENOPIR

The Most Popular Databases

HOW MANY different databases do you search in a month? In a year? Do you now search many more and a wider variety of databases than you did ten years ago? At the rate online databases have proliferated in the last two decades, it is no wonder that we should all be searching a much greater variety than we used to. Where we once had a choice of three databases on a topic, we may now have a choice of 30 or more. Yet a small number of databases still dominate the use in libraries and information centers.

Figure 1: Growth in Online Services and Databases



Source: Cuadra. Directory of Online Databases, Cuadra/Elsevier, quarterly

CHARTS BY ANNABELLE CARTER

Sources for information

The growth in the number of databases, companies that produce databases, and online services is tracked mainly by two long-time leaders in the field. Carlos Cuadra gathers much of his data for the quarterly *Directory of Online Databases* and semiannual *Directory of Portable Databases*, joint publishing ventures by Cuadra Associates and Elsevier. Martha E. Williams of the University of Illinois summarizes some of her data each year in the preface to *Computer-Readable Databases: A Directory and Data Sourcebook*, now published by Gale Research, and in the introduction to the *Proceedings of the National Online Meeting*, published by Learned Information. The most comprehensive source on database use is Williams's *Information Market Indicators* (*IMI*), a quarterly publication aimed at database producers/vendors.

Carol Tenopir is Associate Professor at the School of Library and Information Studies, University of Hawaii at Manoa, Honolulu

Growth of & most-searched databases

If you feel overwhelmed by the thought of all your choices in databases, a glance through these publications will show you why. In 1975 (when I started searching), Williams reports there were only 300 databases commercially available through about 100 vendors. By 1990, she found over 5600 computer-readable databases available from over 850 vendors. As seen in Figure 1, Cuadra counts similar growth numbers for online databases from 1980. For example, DIALOG has grown from just a handful of databases in 1975 to over 400 today.

With so many databases/online systems to choose from it is not surprising that the number of searches has increased dramatically. Williams reports a more than 30-fold increase in searches on word-oriented databases in the U.S. library/information center market, as shown in Figure 2.

The most popular databases cut across several online systems, types of database producer, and subjects. *IMI* reports that corporate libraries and information brokers do the most searching. Overall figures, excluding law schools, law libraries, and legal firms (which are high-volume searchers), show the databases searched the most in 1990 were, in order, MEDLINE, NEXIS, ERIC, World Patents, Predicasts files, CA (Chemical Abstracts) File, CA Search, and Financial Information Service.

High-volume corporate searchers skew these results somewhat. When academic libraries are considered alone, the picture changes a bit. The top databases in academic libraries in 1990, almost all bibliographic, were MEDLINE; ERIC; PsycInfo (online version of *Psychological Abstracts*); BIOSIS; Health Planning and Administration; CA File (Chemical Abstracts file with abstracts, available on STN International; Dissertation Abstracts; CA Search (Chemical Abstracts file without abstracts, available on several online systems); Inspec; CAB, Social Science Citation Index, PDQ—Physician Data Query, Catline, and ABI/INFORM in a virtual tie; National Newspaper Index; and Magazine Index. Public libraries do a relatively small percentage of the overall online searching, but tend to search these same databases. ERIC, MEDLINE, and Magazine Index get high use in public libraries. A similar picture was found by Jamshid Beheshti and A. Tabah of McGill University in Montreal. They analyzed a random sample of libraries listed in the Gale *Online Databases Search Service Directory* to find which online systems and databases were most used by libraries and how these online services are being funded in the library. Fifty-one percent of their sample were academic libraries, followed by government libraries (21%), corporate libraries (21%) and public libraries (7%). Although the analysis was reported at the 1990 meeting of the American Society for Information Science (ASIS), the data were collected by Gale in 1987, so in most cases it represents pre-CD-ROM information.

Beheshti and Tabah found that ten databases comprise 60% of all the databases used. Within the remaining 40% over 40 databases were mentioned. The ten most used databases in U.S. and Canadian libraries according to their calculations are ERIC; MEDLINE; PsycInfo; BIOSIS; ABI/INFORM; Compendex (Computerized Engineering Index); CA Search; Science Citation Index; and Health Planning and Administration.

Explaining database popularity

Why are some databases so popular? The first reason is *longevity*. Most of the databases that appear in several lists have been online for many years, e.g., ERIC, NTIS, CA Search, and MEDLINE were among the very first databases online. We are used to searching them, and their producers and vendors have years of experience to ensure their consistency and quality. The second reason is *familiarity*. Familiarity ties in with longevity, but goes beyond it. Most of these databases have print equivalents, CD-ROM versions, and/or microform versions. Librarians may use them in other forms and feel familiar with the content and idiosyncrasies of the product. They are almost all well-established bibliographic sources, popular in a multitude of formats in libraries for years.

Another reason is *availability*. Most of the popular titles are available on multiple online hosts. Some, like MEDLINE, NTIS, and ABI/INFORM, are available on over ten online systems each. Most are available on several major online hosts. These databases carry the weight of *authority*. The database may be viewed as an authoritative or comprehensive source in a field, such as ERIC in education, CA Search in Chemistry, MEDLINE in medicine, and BIOSIS in biology. Many offer one-stop shopping for a topic in a broad subject field, and some are megafiles with hundreds of thousands or millions of records.

Another common denominator is structural *quality*. Practically all of the most popular databases in libraries are bibliographic with controlled vocabulary descriptors. Many have other value-added fields such as classification codes. Thesauri and other database search aids are available for most. Professional searchers feel comfortable formulating and running searches when they have a variety of strategy options and can count on structural consistency. Many of these databases offer *affordability*: MEDLINE, ERIC, PsycInfo, and Health Planning and Administration are among the lowest-priced databases on major online systems. STN International offers substantial discounts for academic users using STN to access the CA files. For 13 of the 16 most popular databases that are on DIALOG, the average price per hour is approximately $80. Still, affordability is clearly not a single deciding factor since INSPEC, Social SciSearch, and ABI/INFORM are all over $100 per hour on DIALOG.

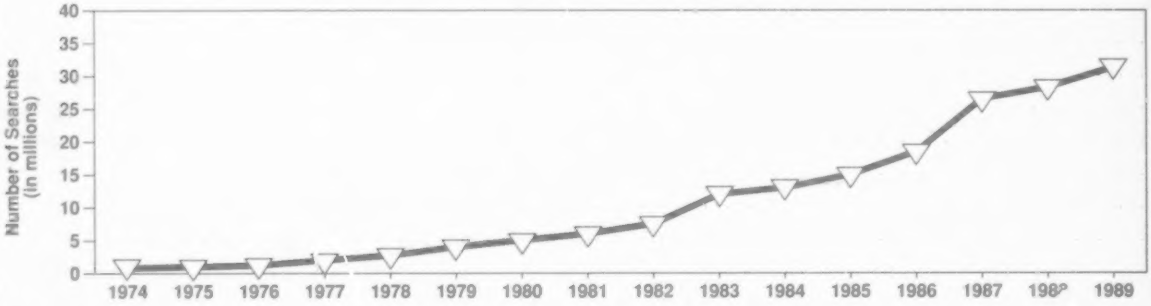
Popular CD-ROM databases

Academic libraries use their online search statistics to help make purchasing decisions for CD-ROM. It is not surprising that many of the same databases are popular on CD-ROM. Among OCLC libraries, the top ten CD-ROM databases as reported in the March 1990 issue of *Laserdisk Professional* are, in order, InfoTrac (some InfoTrac versions are CD equivalents to Magazine Index); ERIC; PsycLIT; Books in Print Plus; Academic Index; MLA Index; ABI/INFORM; DISCLOSURE; Dissertation Abstracts; and Social Science Index.

In a July 1989 report, Williams summarized statistics on CD-ROM use. She found the most popular CD-ROM databases in a broader library and information center market to be ERIC, Books in Print Plus, MEDLINE, DISCLOSURE, InfoTrac, and PsycLIT. The top four CD-ROM vendors by expenditure are Information Access Company (InfoTrac), SilverPlatter, Lotus Corporation, and Wilson. Although fourth in revenues, Wilson is first in number of databases sold to libraries. It offers a large number of relatively low-priced CD-ROM databases.

The number of online and CD-ROM databases will continue to increase at an impressive rate. Most of our old favorites are bound to remain and will continue to be the backbone of our searching operations. Online and CD-ROM gives us the opportunity to meet new online faces as well.

Figure 2: Growth in Online Services of Databases



Source: Williams, Computer – Readable Databases, Gale 1991

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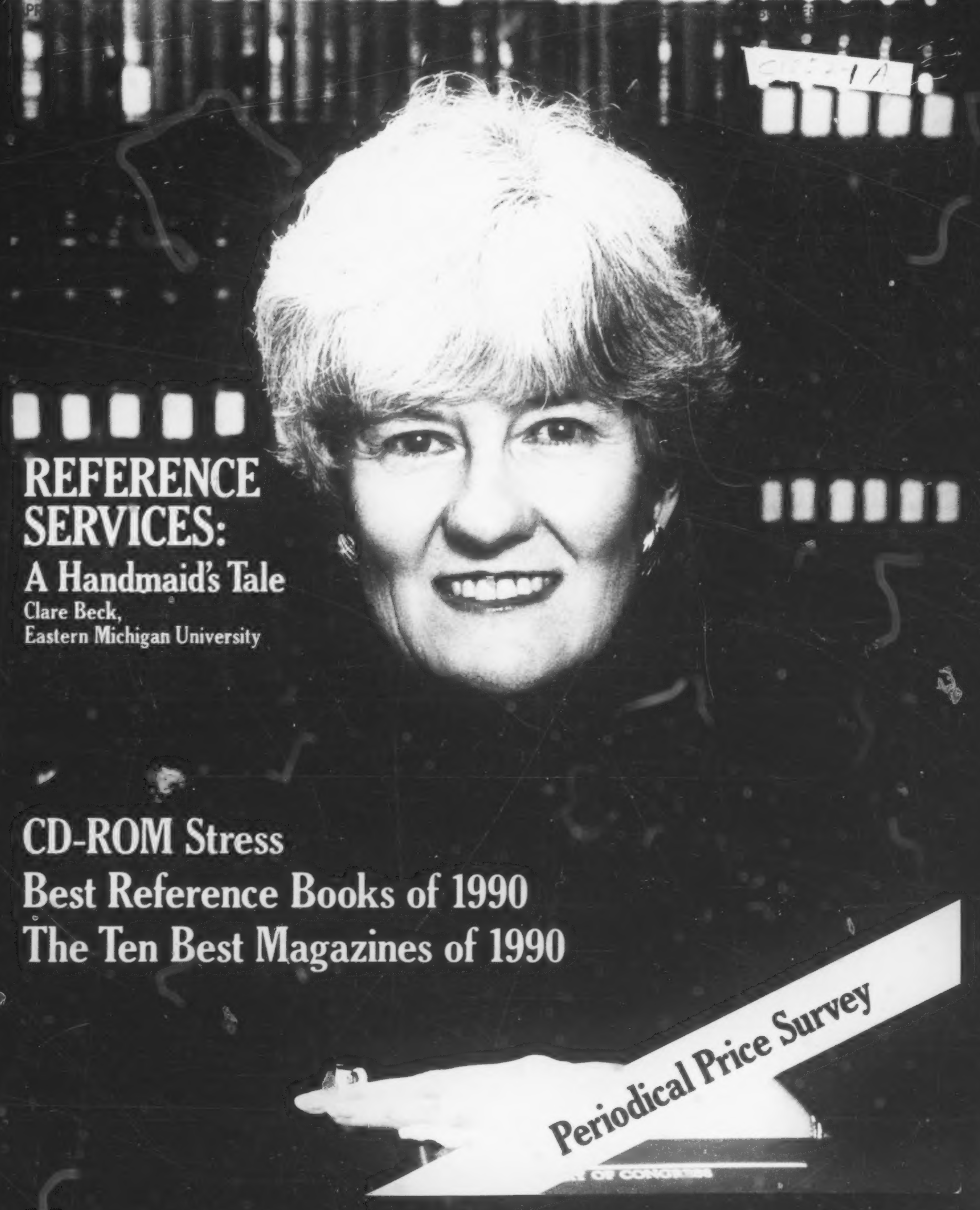

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Clare Beck,
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Eastern Michigan's Clare Beck describes the historical implications of women in reference work and states that reference service still suffers from that stereotype. Read "Reference Services: A Handmaid's Tale" on page 32.

PHOTOGRAPH BY ERIC SMITH

April 15, 1991

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□LIBRARY MARKET OUTLOOK□

BY DEBORAH SELSKY

Book Title Output on the Decline, While Prices Remain Stable

Book title output dropped precipitously in 1990, according to preliminary estimates from R.R. Bowker (publishers of *Books in Print*). Historically, the preliminary estimate represents 86 percent of the final figure. If this holds true for 1990, the final figure will come in at 45,500 titles—10,000 fewer titles than the 1988 total of 55,483.

The final figures show that 53,446 titles were produced in 1989, including individual book titles and new editions. This nearly 2000-title drop from the 1988 total represents the largest decline since 1984.

Variations by category

Despite this total decline, several of the Dewey Decimal classified categories made impressive jumps in title output. Categories that increased the most were medicine and travel, each gaining more than 40 percent additional titles. Other subjects that increased include fiction, juvenile books, literature, and philosophy/psychology.

By category, sociology and economics titles remain in the number one spot with 7,971 titles in 1989. The next largest categories in descending order were fiction (5,941), medicine (5,437), and juvenile (5,413) book titles.

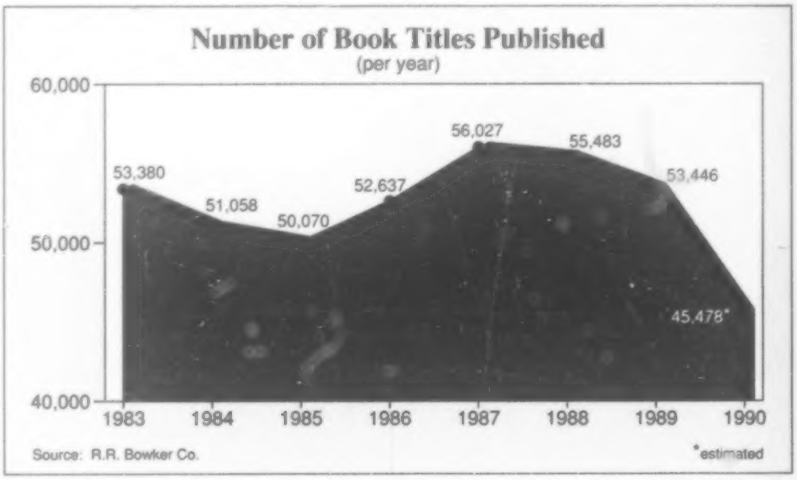
Sociology and economics books dominate the imported title market also, with some 22 percent of the total. The next largest import categories are science, medicine, and technology. The number of imported book titles also declined in 1989, corresponding to an overall falloff in imports. In fact, the number of imported titles stood at its lowest level since 1985.

Prices hold steady

U.S. book publishers have kept price increases to a minimum. Average per volume prices of mass market paperbacks actually declined in 1989. Among hardcover and paperback trade books, prices rose slightly, on average. Prices of hardcover books whose average unit price is less than $81 also declined from 1988 to 1989.

Preliminary price data for 1990 show average per volume prices increasing slightly for hardcover trade and mass market paperback books. Trade paperbacks, on the other hand, saw a slight drop.

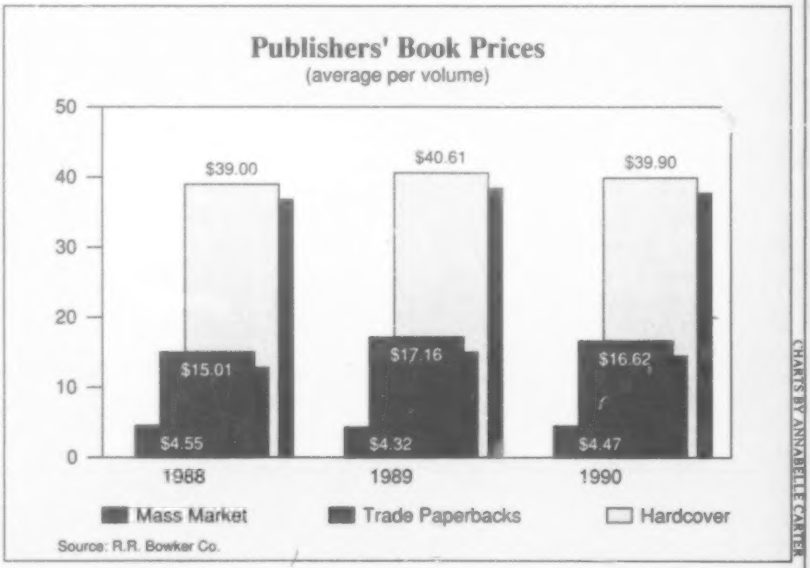
With the pervasive economic slowdown, publishers will have a hard time increasing their prices over the coming year. Expect average book prices to remain on par with 1990. The exceptions will be those book categories that remain in high demand, like juveniles and technology titles.



Number of Book Titles Published
(per year)

Source: R.R. Bowker Co.

*estimated



Publishers' Book Prices
(average per volume)

Source: R.R. Bowker Co.

CHARTS BY ANNABELLE CARTER

Deborah Selsky is an economist with Cahners Economics, which provides industry analyses and forecasting services for the markets its magazines serve

For 31 years, the Library Materials Price Index Committee has monitored periodical prices for libraries

Price Index for U.S. Periodicals

The 31st Annual Survey of U.S. Periodical Prices

By Kathryn Hammell Carpenter & Adrian W. Alexander

THE 1991 U.S. Periodical Price Index is the 31st annual study sponsored by the Library Materials Price Index Committee (LMPIC) of the Association for Library Collections and Technical Services (ALCTS), a division of the American Library Association. For the seventh consecutive year, the price index is based on subscription price information supplied, compiled, and analyzed by the Faxon Company, which shares the committee's concern and interest in serials pricing trends.

The Periodicals Price Index accompanies the U.S. Serials Services Index, which appears in this issue of *LJ* under the supervision of Stella A. Bentley of the University of California at Santa Barbara, who currently serves as chair of LMPIC. Together,

Kathryn Hammell Carpenter is Bibliographer for the Health Sciences and Associate Professor at the University of Illinois at Chicago, and Adrian W. Alexander is Regional Manager and Marketing Communications Coordinator, Academic Information Services, The Faxon Company. Both authors presently serve as consultants to the Library Materials Price Index Committee of the American Library Association

1991

these two annual studies follow guidelines, definitions, and criteria established in the ANSI standard (Z39.20-1983) for price indexes.[1] (For more on the whys and hows of our methodology, see "Purpose, Scope, and Methodology" on p. 54.)

Ongoing responsibility for continuing the price indexes for periodicals and serials services rests with the ALA/ALCTS Library Materials Price Index Committee. Comments may be addressed to Stella A. Bentley, University of California at Santa Barbara, Santa Barbara, CA 93106.

Significant changes for this year

Analysis of this year's periodical price index shows a significant change in the pattern of price increases over the last few years. The 1991 average price for U.S. periodicals (excluding Soviet Translations) is $104.36, or 11.7 percent higher than the 1990 average price of $93.45. This represents a 23 percent jump in the rate of price increase over what was experienced in both 1990 and 1989 (9.5 percent). Furthermore, it marks the first time since 1983 that the sample has yielded a double-digit rate of increase, as indicated in Table VII.

The inclusion of 211 Soviet Translation titles brings the 1991 average price to $138.53, which is 11.1 percent higher than the 1990 average price of $124.74, and represents an 18 percent jump in the rate of price increase. Unlike the average price excluding translations, this inclusive average price has experienced double-digit increases in the more recent past, as the 1987 price increased by 10.3 percent over the previous year.

Table I: Subject Categories Ranked by Average 1991 Subscription Price

Rank 1988	Rank 1989	Rank 1990	Rank 1991	Category	Average Subscription Price, 1991
1	1	1	1	Soviet Translations	$742.86
2	2	2	2	Chemistry & Physics	472.84
3	3	3	3	Medicine	249.94
4	4	4	4	Mathematics, etc.	209.55
5	5	5	5	Zoology	172.56
6	6	6	6	Engineering	160.13
7	7	7	7	Psychology	135.40
8	8	8	8	Sociology & Anthropology	88.69
9	9	9	9	Home Economics	74.11
10	11	10	10	Business & Economics	70.87
11	10	11	11	Journalism & Communications	62.81
12	12	12	12	Library & Information Sciences	62.73
13	13	13	13	Education	62.43
14	15	14	14	Industrial Arts	60.96
15	14	15	15	Labor & Industrial Relations	57.59
16	16	16	16	Law	53.30
17	17	17	17	Political Science	52.81
18	18	18	18	Agriculture	42.36
19	19	19	19	Fine & Applied Arts	38.61
20	20	20	20	History	38.35
21	21	21	21	Physical Education & Recreation	34.64
23	23	24	22	Literature & Language	32.99
24	24	23	23	Philosophy & Religion	32.91
22	22	22	24	General Interest Periodicals	32.25
25	25	25	25	Children's Periodicals	18.38
				U.S. Periodicals Index Excluding Soviet Translations	$104.36
				U.S. Periodicals Index Including Soviet Translations	$138.53

Table II: Subject Categories Ranked by Annual Subscription Price Percent Increases

Rank 1988	Rank 1989	Rank 1990	Rank 1991	Category	Percent Increase 1989 over 1988	Percent Increase 1990 over 1989	Percent Increase 1991 over 1990
5	3	12	1	Engineering	11.8	8.2	15.3
3	6	15	2	Home Economics	11.3	5.8	14.9
15	7	8	3	Medicine	10.3	9.4	14.7
4	5	4	4	Chemistry & Physics	11.5	12.1	14.6
16	23	1	5	Sociology & Anthropology	3.8	16.3	14.3
2	4	12	6	Zoology	11.6	8.2	12.2
14	14	9	7	Business & Economics	7.5	9.2	12.1
16	8	3	8	Industrial Arts	10.2	12.3	11.5
9	11	11	9	Mathematics, etc.	8.7	8.7	11.3
6	15	7	10	Education	7.3	9.5	10.8
7	21	10	11	Soviet Translations	5.0	9.1	9.5
16	19	16	12	Library & Information Sciences	5.5	5.3	9.4
1	1	19	13	Labor & Industrial Relations	15.0	4.1	9.2
9	16	6	14	History	7.0	10.0	8.0
8	2	8	15	Psychology	13.9	9.4	8.0
13	22	19	16	Literature & Language	4.9	4.1	7.7
12	20	14	17	Physical Education & Recreation	5.4	6.8	7.6
18	18	13	18	Philosophy & Religion	5.6	7.5	7.0
20	12	5	19	Political Science	8.4	10.3	6.3
10	17	8	20	Law	6.2	9.4	5.9
11	24	20	21	Children's Periodicals	3.4	3.3	5.0
17	13	17	22	Fine & Applied Arts	8.1	5.2	4.7
21	21	17	23	General Interest Periodicals	5.0	5.2	3.2
19	10	18	24	Journalism & Communications	8.9	4.7	3.2
11	9	2	25	Agriculture	9.1	15.9	-0.2
				U.S. Periodicals Index Excluding Soviet Translations	9.5	9.5	11.7
				U.S. Periodicals Index Including Soviet Translations	8.2	9.4	11.1

The means that justify our ends

Purpose, Scope, and Methodology

THE PURPOSE OF this index and its accompanying tables and analysis is to measure changes in average U.S. periodical prices in a historical context. The information provided here is of use to librarians who must prepare annual budget requests for serials, as well as those involved in analyzing serials pricing trends over a period of years.

The results of this study are based on a selected sample of 3,942 periodical titles published in the United States, each of which has an established subscription price and which fulfills the definition of a periodical established in ANSI Z39.20-1983 as "a publication that constitutes one issue in a continuous series under the same title, published more than once a year over an indefinite period, with individual issues in the series numbered consecutively or with each issue date. Newspapers are excluded."

Consistency with previous years' indexes is assured by maintaining the same periodical title sample, except for those titles that ceased publication or otherwise changed for the 1991 subscription year and which no longer conform to the standard. Serial services, microform editions, electronic journals, annuals, and serials publications not adhering to the ANSI Z39.20-1983 definition of periodicals are excluded from the survey. Periodicals that change title are considered the same publication if volume numbering remains continuous.

Because of the need to maintain continuity of current price index data with that presented in previous studies in this series, no additional periodical titles over and above the selected sample of 3,942 titles have been analyzed. Although the title selection procedure represents a departure from the ANSI Z39.20-1983 standard, which recommends that all new titles meeting the criteria be included, LMPIC's emphasis on historical perspective justifies the selection methodology used in this study.

Subscription price information for the 1991 subscription year is derived from the Faxon online title subscription rate file as of January 31, 1991. The price information used is that which is established by the publishers for U.S. libraries. Annual subscription prices used in this study are publishers' list prices, and exclude all related Faxon service charges as well as publisher discounts to Faxon. The 1991 subscription prices for 40 titles that were included in this study but not available through Faxon because of publisher policy were obtained directly from the publishers by telephone inquiry.

A total of 161 titles included in the 1990 price index study were dropped from the 1991 study for one or more of the following:

- suspended publication;
- subscription pricing variance;
- title no longer available on a subscription basis;
- title available free from publisher;
- delayed or slow publication;
- title no longer published in the United States;
- title no longer conforms to the standard definition of a periodical due to changes in publication pattern.

Replacement titles for those 161 dropped from the 1991 price index sample were selected on a title-by-title basis from the same subject category as those titles that were dropped. In situations where more than one possible replacement title was identified, those titles with the greatest number of Faxon-placed subscriptions were selected for inclusion in the 1990 study.

The number of titles dropped and subsequently replaced this year is significantly higher than in previous years. The most common reason for dropped titles this year appears to be that they were discontinued, but there is no single factor that we can identify to explain the higher total of dropped titles in 1991.

Replacement titles were identified using *Ulrich's International Periodicals Directory, 1990–1991*, *LJ*'s Magazines column, and *The Utne Reader*. The Faxon online database was consulted for information related to publications undergoing changes in title or country of publication. Library of Congress classification, title, date of first issue, publisher, country of publication, and place of publication for each replacement title were verified in the MARC-S database maintained in the Faxon online system.

The average annual subscription prices and the price indexes for each subject category were computed using the methodology specified in the ANSI Z39.20-1983 standard. This procedure involves the following:

- For each of the 25 subject categories, the total annual subscription price is divided by the number of titles in the category to determine an average price by category.
- Each average subscription price for the current year is divided by the average price in that subject category for the base year (1977) and then multiplied by 100 to arrive at the current price index for each category.

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Table III: Average of Annual Subscription Price Percent Change by Broad Subject Category 1982–1991 (Excluding Soviet Translations)

Category	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	Change
GENERAL INTEREST & CHILDREN'S PERIODICALS											
General Interest	9.6	10.4	5.6	-5.3	2.0	3.1	1.8	5.0	5.2	3.2	4.1
Children's	15.7	16.1	6.3	9.0	3.4	10.4	7.8	3.4	3.3	5.0	8.0
HUMANITIES											
Fine & Applied Arts	13.8	7.8	6.9	0.5	4.6	8.1	6.0	8.1	5.2	4.7	6.6
Literature & Language	12.1	9.3	8.6	5.0	4.2	4.0	7.0	4.9	4.1	7.7	6.7
Philosophy & Religion	16.4	12.8	8.6	10.8	2.3	3.0	5.8	5.6	7.5	7.0	8.0
SOCIAL SCIENCES											
Business & Economics	13.1	9.2	9.0	14.3	6.2	6.9	6.9	7.5	9.2	12.1	9.4
Education	11.9	11.3	8.5	11.2	7.0	7.0	10.7	7.3	9.5	10.8	9.5
History	13.4	10.1	5.6	7.9	1.9	6.1	9.1	7.0	10.0	8.0	7.9
Journalism	13.8	10.3	5.0	17.4	3.2	6.6	5.4	8.9	4.7	3.2	7.9
Labor & Industrial Relations	14.0	18.2	2.2	16.3	6.9	4.1	14.0	15.0	4.1	9.2	10.4
Law	11.0	7.7	5.6	12.2	3.7	9.3	8.8	6.2	9.4	5.9	8.0
Library & Information Sciences	17.7	9.5	5.8	4.7	5.3	13.1	6.6	5.5	5.3	9.4	8.3
Physical Education & Recreation	9.7	12.8	7.7	15.5	5.3	6.8	7.2	5.4	6.8	7.6	8.5
Political Science	14.1	11.9	11.9	0.9	7.5	13.5	4.0	8.4	10.3	6.3	8.9
Psychology	14.7	9.4	17.6	9.5	9.7	10.0	9.3	13.9	9.4	8.0	11.2
Sociology & Anthropology	16.0	11.4	8.2	16.0	10.7	7.1	6.6	3.8	16.3	14.3	11.0
SCIENCE & TECHNOLOGY											
Agriculture	14.4	7.6	13.1	8.3	10.2	8.4	7.8	9.1	15.9	-0.2	9.5
Chemistry & Physics	13.8	16.9	10.1	4.2	10.7	11.4	12.2	11.5	12.1	14.6	11.8
Engineering	12.8	18.9	7.5	7.2	9.8	11.7	11.0	11.8	8.2	15.3	11.4
Home Economics	25.3	4.1	4.1	10.5	11.1	6.8	12.5	11.3	5.8	14.9	10.6
Industrial Arts	19.9	6.3	5.4	15.4	13.3	4.3	6.6	10.2	12.3	11.5	10.5
Mathematics, etc.	16.4	10.5	9.6	9.7	11.1	12.4	9.1	8.7	8.7	11.3	10.8
Medicine	19.1	9.6	11.4	9.8	10.0	11.6	6.7	10.3	9.4	14.7	11.3
Zoology	26.4	15.8	10.8	15.8	13.3	9.8	12.8	11.6	8.2	12.2	13.7
U.S. PERIODICALS INDEX											
Excluding Soviet Translations	14.5	12.1	9.4	8.6	8.9	9.9	9.1	9.5	9.5	11.7	10.3

Between 1980 and 1987, in fact, the rate of increase was less than ten percent only in 1985.

Chart A compares the U.S. Periodical Price Index (USPPI) to the U.S. Consumer Price Index (CPI) and the Higher Education Price Index (HEPI).[2] As in previous years, average periodical prices for 1990 continued to outpace the CPI by a substantial margin (almost two-fold). For the purposes of this study, the CPI is recalculated by a base year of 1977 in order to provide a common base, for historical comparison.[3]

Table IV: Breakdown of Mathematics, etc. Category

Subcategory	No. of Titles			Average Price			% Increase		
	1989	1990	1991	1989	1990	1991	1989	1990	1991
Mathematics	74	76	82	$232.56	$251.99	$268.65	7.6	8.4	6.6
Earth Sciences (incl. Geography titles)	63	61	59	116.29	129.00	143.40	9.5	10.9	11.2
Life Sciences	44	44	44	261.16	276.17	297.41	6.9	5.7	7.7
Botanical Sciences	29	29	26	84.86	93.31	112.12	10.4	10.0	20.2
General Science (incl. Astronomy titles)	28	28	27	97.75	104.07	130.10	15.1	6.5	25.0
Total	238	238	238	173.21	188.20	209.55	8.7	8.7	11.3

The 1991 data

Table I provides a ranking of average periodical prices for each of the 25 subject categories included in this survey. As with the previous three years, the Soviet Translations category carries the highest average price in 1991. At $742.86, it is 57 percent higher than the second most expensive category, Chemistry and Physics. For this reason, this study always includes two overall average periodical prices: one including the Soviet Translations titles and one excluding them.

Table I shows little change in 1991 in the rank order by price of the subject categories over the previous three years. The order of the top eight categories is identical in each of the four years shown, while the top seven categories have remained in the same rank order since at least 1983.[4]

Table II ranks the average price in each subject category by percent of price change from the previous year. Engineering titles in 1991 jumped from position 12 on this list to number one, with an increase of 15.3 percent, almost double their rate of increase between 1989 and 1990. Home Economics titles were in second place with an increase in price of 14.9 percent, moving up from position 15 (5.8 percent) in order in 1990.

Altogether, ten of the categories experienced price increases of ten percent or more in 1991. Three of these categories were social sciences, while the other seven were in the pure and applied sciences.

The biggest change in Table II, however, was in the position of Agriculture titles. This category had been in the top half of the rankings during the past three years, having moved from ninth position to second position between 1989 and 1990, with an increase in average price of 15.9 percent, the largest increase in last year's study. For 1991, Agriculture has fallen to the bottom of Table II, with a net *decrease* in average price of 0.2 percent. Only four titles in this category were replaced in 1991, reducing the likelihood that this decrease was a result of changes in the sample.

Table III charts changes in annual percent increases since 1982 by subject category. The last column of the table shows an average annual percent increase for the ten-year period. The data presented here confirm previous studies that show that the average rate of increase for science titles over the past ten years has outpaced that of the social sciences and humanities. During the period shown, seven of the eight science categories had average annual increases exceeding ten percent.

Table IV provides a three-year breakdown of the "Mathematics, Etc." category into five more specific subcategories. In terms of average price, this category has been dominated during the three-year period by Mathematics ($268.65 in 1991) and Life Sciences ($297.41 in 1991). From the standpoint of rate of increase, however, the two dominant subjects in 1991 were Botanical Sciences, which showed a 20.2 percent price increase, and General Sciences, with an increase of 25 percent.

Chart A: Price Index Comparison (CPI, HEPI, USPPI)

	Index						% Increase Over Previous Year			
	CPI 1977	CPI 1967	CPI 1982–84	HEPI 76/77	USPI excl. Sov. Trans.	USPI incl. Sov. Trans.	CPI	HEPI	USPI excl. Sov. Trans.	USPI incl. Sov. Trans.
1986	180.9	328.4	110.5	199.7	264.3	261.5	1.9	4.6	8.9	8.2
1987	187.5	340.4	115.4	207.9	290.4	288.3	3.7	4.2	9.9	10.3
1988	195.2	354.3	120.5	217.1	316.9	315.5	4.1	4.4	9.1	9.4
1989	204.6	371.3	126.1	229.9	347.2	341.3	4.8	5.9	9.5	8.2
1990	215.6	391.4	130.7	243.7	380.0	373.3	5.4	6.0	9.5	9.4
1991	n/a	n/a	n/a	n/a	424.4	414.5	n/a	n/a	11.7	11.1

Table V: Percentage of Titles Increasing in Price by Subject Category 1989–1991

Category	1989	1990	1991	Average
Agriculture	28	33	37	35
Business & Economics	39	37	48	43
Chemistry & Physics	85	85	85	85
Children's Periodicals	37	33	31	32
Education	52	47	44	46
Engineering	58	51	55	53
Fine & Applied Arts	35	30	37	34
General Interest Periodicals	33	31	29	30
History	30	28	28	28
Home Economics	41	37	41	39
Industrial Arts	53	44	42	43
Journalism & Communications	42	31	46	39
Labor & Industrial Relations	40	31	41	36
Law	30	29	31	30
Library & Information Sciences	31	42	50	46
Literature & Language	34	33	40	37
Mathematics, etc.	59	56	68	62
Medicine	77	71	87	79
Philosophy & Religion	29	34	32	33
Physical Education & Recreation	34	28	31	30
Political Science	46	39	42	41
Psychology	69	72	62	67
Sociology & Anthropology	34	59	62	61
Soviet Translations	55	99	95	97
Zoology	59	41	55	48
U.S. Periodicals Index Excluding Soviet Translations	46	44	48	46
U.S. Periodicals Index Including Soviet Translations	46	47	50	49

A three-year increase comparison

Table V examines each subject category in terms of the proportion of titles in each that increased in price each year between 1989 and 1991. For the second year in a row, Soviet Translations led this list with 95 percent of those titles increasing in price (99 percent in 1990). This was the only category with more than 90 percent of its titles costing more in 1991, but Medicine and Chemistry & Physics were close behind with proportions of 87 percent and 85 percent, respectively. The next closest category in this ranking was Mathematics, Etc. at 68 percent.

Table VI is a detailed analysis of average price and percent increase by single- and two-letter Library of Congress subject classification for 1989–1991. The highest average prices in 1991 were in Physics (QC) at $659.16, and Chemistry (QD) at $633.64; the lowest average prices for 1991 were in English and American literature (PR, PS) at $24.29, and Military & Naval Science (U, V) at $27.36. The rate of increase was highest in 1991 for Transportation and Communication (HE) at 33.4 percent; the lowest rate was in General Technology (T), with a net *decrease* of 12.5 percent.

Table VII compares average price and rate of price increase for each of the 25 subject categories, while also indexing prices to the 1977 base year. In ten categories, the USPPI has risen to 400 or above, indicating an increase in price of more than 400 percent since 1977. Three of those ten categories, Chemistry & Physics, Labor & Industrial Relations, and Zoology, show increases of 500 percent or more in that time period. Overall, the price index for all titles in the USPPI sample exceeded the 400 mark in 1991 for the first time.

Table VI: 1991 Average Prices by Library of Congress Classification Codes
U.S. Periodicals
(Including Soviet Translations)

Classification code			No. of Titles 1991	No. of Titles 1990	No. of Titles 1989	Average Price 1991	Average Price 1990	Average Price 1989	Percent Increase 1991/1990	Percent Increase 1990/1989	Percent Increase 1989/1988
A	General Works		121	112	118	$29.28	$24.47	$23.07	19.6	6.1	-0.1
B	Philosophy, Psychology, Religion		213	209	210	64.68	59.21	55.47	9.2	6.7	13.6
	B-BD, BJ	Philosophy	51	39	39	51.24	53.71	50.42	-4.6	6.5	3.7
	BF	Psychology	79	77	77	111.85	105.01	98.87	6.5	6.2	19.9
	BL-BX	Religion	83	93	94	28.05	23.61	22.02	18.8	7.2	4.6
C	Auxiliary Sciences of History		14	13	13	47.00	42.62	37.85	10.3	12.6	-2.3
D	History: General & Old World		66	66	66	47.78	45.64	42.03	4.7	8.6	7.9
E-F	History: America		114	119	119	28.84	26.24	24.71	9.9	6.2	6.6
G	Geography, Anthropology, Recreation		160	156	157	72.74	65.14	59.02	11.7	10.4	4.6
	G-GC	Geography, Oceanography	33	32	35	174.27	162.15	136.78	7.5	18.5	6.0
	GN	Anthropology	21	20	19	98.38	85.50	77.26	15.1	10.7	6.5
	GV	Recreation	96	95	94	31.52	29.54	27.98	6.7	5.6	4.4
		All other G codes	10	9	9	79.60	50.67	42.33	57.1	19.7	2.3
H	Social Sciences		570	569	572	76.94	69.42	62.86	10.8	10.4	7.5
	H	General	31	29	29	70.79	72.21	66.00	-2.0	9.4	12.1
	HB-HC	Economic theory, hist. & cond.	49	50	50	95.45	88.32	82.06	8.1	7.6	7.6
	HD	Land, Agriculture, Industry	127	126	130	62.37	55.70	52.28	12.0	6.5	6.4
	HE	Transportation & Communication	29	29	29	54.95	41.19	39.36	33.4	4.7	2.7
	HF	Commerce	97	96	99	65.76	57.98	53.82	13.4	7.7	9.9
	HG-HJ	Finance, Public finance	75	76	76	79.77	69.91	61.72	14.1	13.3	8.4
	HM	Sociology (General)	29	30	28	128.14	114.62	100.93	11.8	13.6	6.8
	HQ	Family, Marriage, Woman	46	46	43	98.25	83.45	78.86	17.7	5.8	0.9
	HV	Social/public welfare, Criminology	52	50	47	90.86	86.30	73.41	5.3	17.6	9.1
		All other H codes	35	37	41	61.37	63.92	56.54	-4.0	13.1	11.5
J	Political Science		78	79	77	59.79	55.37	50.08	8.0	10.6	9.8
K	Law		269	268	265	55.46	52.01	47.45	6.6	9.6	6.7
L	Education		185	184	182	59.57	52.92	49.20	12.6	7.6	9.0
M	Music		37	38	38	34.64	32.52	31.00	6.5	4.9	8.0
N	Fine Arts		78	79	76	39.45	37.88	36.43	4.2	4.0	6.4
P	Language and literature		223	224	223	37.99	35.85	34.74	6.0	3.2	7.2
	P	Philology & linguistics	17	18	20	73.76	63.94	57.65	15.4	10.9	7.5
	PN	Literary history	113	116	113	39.58	37.15	36.69	6.5	1.3	8.0
	PR-PS	English literature, American literature	45	41	41	24.29	23.77	22.90	2.2	3.8	6.4
		All other P codes	48	49	49	34.41	32.55	30.80	5.7	5.7	4.3
Q	Science		595	589	588	426.24	380.96	346.68	11.9	9.9	8.3
	Q	Science (General)	40	37	37	168.30	145.86	134.50	15.4	8.4	12.8
	QA	Mathematics	116	112	108	360.45	323.92	297.69	11.3	8.8	6.3
	QB	Astronomy	16	16	16	404.56	364.83	336.50	10.9	8.4	6.1
	QC	Physics	97	99	101	659.16	580.56	521.71	13.5	11.3	8.1
	QD	Chemistry	78	79	80	633.64	553.14	493.44	14.6	12.1	7.3
	QE	Geology	28	28	29	232.32	211.68	188.59	9.8	12.2	6.0
	QH	Natural History (incl. General Biology)	80	81	81	422.62	385.42	352.26	9.7	9.4	6.9
	QK	Botany	18	19	19	155.00	137.21	125.63	13.0	9.2	6.2
	QL	Zoology	53	53	53	283.78	236.23	208.48	20.1	13.3	9.7
	QP	Physiology	49	45	44	388.90	352.84	332.55	10.2	6.1	14.4
	QR	Microbiology	20	20	20	401.50	377.25	355.05	6.4	6.3	3.6
R	Medicine		271	279	277	155.41	139.26	127.48	11.6	9.2	9.4
	R	Medicine (General)	28	36	36	176.96	143.31	134.18	23.5	6.8	8.4
	RA	Public aspects of medicine	38	34	34	123.68	135.90	123.25	-9.0	10.3	7.1
	RC	Internal medicine	107	110	108	160.05	140.15	128.61	14.2	9.0	8.1
	RD	Surgery	22	22	22	136.18	120.18	113.00	13.3	6.4	12.9
	RM	Therapeutics, Pharmacy	18	20	20	161.67	134.05	120.73	20.6	11.0	10.0
		All other R codes	58	57	57	162.59	146.19	131.57	11.2	11.1	12.4
S	Agriculture		213	215	216	62.42	57.07	52.57	9.4	8.6	13.2
	S	Agriculture (General)	70	70	71	71.60	67.17	59.29	6.6	13.3	9.4
	SB	Plant culture	45	46	47	62.01	53.85	49.47	15.1	8.8	6.1
	SF	Animal culture	73	72	72	41.61	38.77	37.31	7.3	3.9	10.1
		All other S codes	25	27	26	98.21	85.16	82.09	15.3	3.7	35.7
T	Technology		586	591	592	177.43	160.17	147.44	10.8	8.6	8.7
	T	Technology (General)	28	28	29	103.89	118.75	113.26	-12.5	4.8	9.5
	TA	Engineering, Civil engineering	85	74	72	263.17	251.45	228.90	4.7	9.9	4.5
	TD	Environmental tech., Sanitary eng.	23	24	27	176.48	152.02	121.72	16.1	24.9	13.0
	TH	Building construction	26	27	26	78.76	64.77	59.26	21.6	9.3	5.6
	TJ	Mechanical engineering & machinery	52	57	58	260.58	233.46	213.58	11.6	9.3	9.7
	TK	Electricrical eng., Electronics	62	60	58	204.19	188.58	180.03	8.3	4.7	9.8
	TL	Motor vehicle, Aeronautics, Astronautics	28	29	30	90.85	83.46	74.58	8.9	11.9	10.3
	TN	Mining engineering, Metallurgy	40	41	41	312.90	242.33	273.55	29.1	-11.4	6.1
	TP	Chemical technology	77	83	85	268.24	229.57	211.36	16.8	8.6	11.2
	TS	Manufactures	65	65	63	84.82	67.36	62.78	25.9	7.3	7.8
	TT	Handicrafts, Arts & Crafts	31	31	32	26.76	25.15	24.58	6.4	2.3	7.8
	TX	Home Economics	39	42	41	51.73	53.01	48.92	-2.4	8.4	15.5
		All other T codes	30	30	30	76.86	68.30	56.63	12.5	20.6	8.3
U-V	Military Science, Naval Science		25	23	22	27.36	24.76	23.39	10.5	5.9	-10.7
Z	Bibliography, Library Science		130	129	131	77.30	69.08	64.72	19.4	11.9	6.7

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Table VII: U.S. Periodicals: 1977–1991
Index of 100.0 Equivalent to Average Prices for 1977
Parenthetical information applies to 1991

Year	No. of Titles	Average Price	Percent Increase	Index	Year	No. of Titles	Average Price	Percent Increase	Index	Year	No. of Titles	Average Price	Percent Increase	Index
U.S. PERIODICALS Excluding Soviet Translations (161 titles dropped; 161 added; 48% of the titles increased in price)					**CHEMISTRY & PHYSICS** (3 titles dropped; 3 added; 85% of the titles increased in price)					**FINE & APPLIED ARTS** (4 titles dropped; 4 added; 37% of the titles increased in price)				
1977	3,218	24.59	--	100.0	1977	135	93.76	--	100.0	1977	141	13.72	--	100.0
1983	3,674	50.23	12.1	204.3	1983	167	207.94	16.9	221.8	1983	145	25.17	7.8	183.5
1984	3,731	54.97	9.4	223.5	1984	170	228.90	10.1	244.1	1984	145	26.90	6.9	196.1
1985	3,731	59.70	8.6	242.8	1985	170	238.43	4.2	254.3	1985	145	27.03	0.5	197.0
1986	3,731	65.00	8.9	264.3	1986	170	264.05	10.7	281.6	1986	145	28.28	4.6	206.1
1987	3,731	71.41	9.9	290.4	1987	170	294.05	11.4	313.6	1987	145	30.58	8.1	222.9
1988	3,731	77.93	9.1	316.9	1988	170	329.99	12.2	352.0	1988	145	32.43	6.0	236.3
1989	3,731	85.37	9.5	347.2	1989	170	367.99	11.5	392.5	1989	145	35.07	8.1	255.6
1990	3,731	93.45	9.5	380.0	1990	170	412.66	12.1	440.1	1990	145	36.89	5.2	268.9
1991	3,731	104.36	11.7	424.4	1991	170	472.84	14.6	504.3	1991	145	38.61	4.7	281.4
U.S. PERIODICALS Including Soviet Translations (161 titles dropped; 161 added; 50% of the titles increased in price)					**CHILDREN'S PERIODICALS** (5 titles dropped; 5 added; 31% of the titles increased in price)					**GENERAL INTEREST PERIODICALS** (9 titles dropped; 9 added; 29% of the titles increased in price)				
1977	3,418	33.42	--	100.0	1977	67	5.82	--	100.0	1977	161	16.19	--	100.0
1983	3,881	65.74	12.0	196.7	1983	78	11.49	16.1	197.4	1983	177	26.43	10.4	163.2
1984	3,942	72.47	10.2	216.8	1984	78	12.21	6.3	209.8	1984	181	27.90	5.6	172.3
1985	3,942	80.78	11.5	241.7	1985	78	13.31	9.0	228.7	1985	181	26.41	-5.3	163.1
1986	3,942	87.38	8.2	261.5	1986	78	13.76	3.4	236.4	1986	181	26.95	2.0	166.4
1987	3,942	96.36	10.3	288.3	1987	78	15.19	10.4	239.7	1987	181	27.79	3.1	171.7
1988	3,942	105.45	9.4	315.5	1988	78	16.39	7.8	281.5	1988	181	28.29	1.8	174.7
1989	3,942	114.07	8.2	341.3	1989	78	16.95	3.4	291.2	1989	181	29.69	5.0	183.4
1990	3,942	124.74	9.4	373.3	1990	78	17.51	3.3	300.9	1990	181	31.24	5.2	193.0
1991	3,942	138.53	11.1	414.5	1991	78	18.38	5.0	315.8	1991	181	32.25	3.2	199.2
AGRICULTURE (3 titles dropped; 3 added; 37% of the titles increased in price)					**EDUCATION** (11 titles dropped; 11 added; 44% of the titles increased in price)					**HISTORY** (5 titles dropped; 5 added; 28% of the titles increased in price)				
1977	138	11.58	--	100.0	1977	168	17.54	--	100.0	1977	138	12.64	--	100.0
1983	150	21.27	7.6	183.7	1983	199	31.36	11.3	178.8	1983	151	22.43	10.1	177.5
1984	153	24.06	13.1	207.8	1984	203	34.01	8.5	193.9	1984	151	23.68	5.6	187.3
1985	153	26.05	8.3	225.0	1985	203	37.81	11.2	215.6	1985	151	25.55	7.9	202.1
1986	153	28.71	10.2	248.0	1986	203	40.47	7.0	230.7	1986	151	26.04	1.9	206.0
1987	153	31.14	8.4	268.9	1987	203	43.30	7.0	246.9	1987	151	27.64	6.2	218.7
1988	153	33.56	7.8	289.8	1988	203	47.95	10.7	273.4	1988	151	30.16	9.1	238.6
1989	153	36.62	9.1	316.2	1989	203	51.43	7.3	293.2	1989	151	32.27	7.0	255.3
1990	153	42.43	15.9	366.4	1990	203	56.33	9.5	321.2	1990	151	35.51	10.0	281.0
1991	153	42.36	-0.2	365.8	1991	203	62.43	10.8	355.9	1991	151	38.35	8.0	303.4
BUSINESS & ECONOMICS (8 titles dropped; 8 added; 48% of the titles increased in price)					**ENGINEERING** (14 titles dropped; 14 added; 55% of the titles increased in price)					**HOME ECONOMICS** (4 titles dropped; 4 added; 41% of the titles increased in price)				
1977	236	18.62	--	100.0	1977	235	35.77	--	100.0	1977	74	18.73	--	100.0
1983	257	35.67	9.2	191.6	1983	265	73.18	18.9	204.6	1983	88	35.68	4.1	190.5
1984	262	38.87	9.0	208.8	1984	265	78.70	7.5	220.0	1984	90	37.15	4.1	198.3
1985	262	44.41	14.3	238.5	1985	265	84.38	7.2	235.9	1985	90	41.04	10.5	219.1
1986	262	47.15	6.2	253.2	1986	265	92.66	9.8	259.0	1986	90	45.59	11.1	243.4
1987	262	50.39	6.9	270.6	1987	265	103.49	11.7	289.3	1987	90	48.67	6.8	259.9
1988	262	53.89	6.9	289.4	1988	265	114.83	11.0	321.0	1988	90	54.73	12.5	292.2
1989	262	57.93	7.5	311.1	1989	265	128.37	11.8	358.9	1989	90	60.92	11.3	325.3
1990	262	63.25	9.2	339.7	1990	265	138.84	8.2	388.2	1990	90	64.49	5.8	344.3
1991	262	70.87	12.1	380.6	1991	265	160.13	15.3	447.7	1991	90	74.11	14.9	395.7

Table VII (Continued)

INDUSTRIAL ARTS
(4 titles dropped; 4 added;
42% of the titles increased in price)

Year	No. of Titles	Average Price	Percent Increase	Index
1977	87	14.37	--	100.0
1983	104	28.83	6.3	200.6
1984	106	30.40	5.4	211.6
1985	106	35.09	15.4	244.2
1986	106	39.75	13.3	276.6
1987	106	41.45	4.3	288.4
1988	106	44.20	6.6	307.6
1989	106	48.68	10.2	338.8
1990	106	[illegible]69	12.3	380.6
1991	106	60.96	11.5	424.2

LITERATURE & LANGUAGE
(4 titles dropped; 4 added;
40% of the titles increased in price)

Year	No. of Titles	Average Price	Percent Increase	Index
1977	138	11.82	--	100.0
1983	157	21.19	9.3	179.3
1984	158	23.02	8.6	194.8
1985	158	24.18	5.0	204.6
1986	158	25.21	4.2	213.3
1987	158	26.21	4.0	221.7
1988	158	28.04	7.0	237.3
1989	158	29.41	4.9	248.8
1990	158	30.63	4.1	259.1
1991	158	32.99	7.7	279.1

POLITICAL SCIENCE
(6 titles dropped; 6 added;
42% of the titles increased in price)

Year	No. of Titles	Average Price	Percent Increase	Index
1977	123	14.83	--	100.0
1983	136	28.97	11.9	195.3
1984	136	32.43	11.9	218.7
1985	136	32.72	0.9	220.6
1986	136	35.19	7.5	237.3
1987	136	39.95	13.5	269.4
1988	136	41.55	4.0	280.1
1989	136	45.03	8.4	303.6
1990	136	49.67	10.3	334.9
1991	136	52.81	6.3	356.1

JOURNALISM & COMMUNICATIONS
(4 titles dropped; 4 added;
46% of the titles increased in price)

Year	No. of Titles	Average Price	Percent Increase	Index
1977	85	16.97	--	100.0
1983	88	37.39	10.3	220.3
1984	90	39.25	5.0	231.3
1985	90	46.08	17.4	271.5
1986	90	47.54	3.2	280.1
1987	90	50.66	6.6	298.5
1988	90	53.39	5.4	314.6
1989	90	58.13	8.9	342.6
1990	90	60.85	4.7	358.6
1991	90	62.81	3.2	370.1

MATHEMATICS, BOTANY, GEOLOGY, & GENERAL SCIENCE
(7 titles dropped; 7 added;
68% of the titles increased in price)

Year	No. of Titles	Average Price	Percent Increase	Index
1977	185	47.13	--	100.0
1983	228	97.26	10.5	206.4
1984	238	106.56	9.6	226.1
1985	238	116.93	9.7	248.1
1986	238	129.95	11.1	275.7
1987	238	146.08	12.4	310.0
1988	238	159.33	9.1	338.1
1989	238	173.21	8.7	367.5
1990	238	188.19	8.7	399.3
1991	238	209.55	11.3	444.6

PSYCHOLOGY
(3 titles dropped; 3 added;
62% of the titles increased in price)

Year	No. of Titles	Average Price	Percent Increase	Index
1977	110	31.74	--	100.0
1983	136	59.31	9.4	186.9
1984	138	69.74	17.6	219.7
1985	138	76.34	9.5	240.5
1986	138	83.71	9.7	263.7
1987	138	92.05	10.0	290.0
1988	138	100.57	9.3	316.8
1989	138	114.52	13.9	360.8
1990	138	125.31	9.4	394.8
1991	138	135.40	8.0	426.6

LABOR & INDUSTRIAL RELATIONS
(4 titles dropped; 4 added;
41% of the titles increased in price)

Year	No. of Titles	Average Price	Percent Increase	Index
1977	61	11.24	--	100.0
1983	69	29.22	18.2	260.0
1984	70	29.87	2.2	265.7
1985	70	34.75	16.3	309.2
1986	70	37.14	6.9	330.4
1987	70	38.65	4.1	343.9
1988	70	44.06	14.0	392.0
1989	70	50.65	15.0	450.6
1990	70	52.74	4.1	469.2
1991	70	57.59	9.2	512.4

MEDICINE
(3 titles dropped; 3 added;
87% of the titles increased in price)

Year	No. of Titles	Average Price	Percent Increase	Index
1977	172	51.31	--	100.0
1983	177	112.72	9.6	219.7
1984	182	125.57	11.4	244.7
1985	182	137.92	9.8	268.8
1986	182	151.77	10.0	295.8
1987	182	169.36	11.6	330.1
1988	182	180.67	6.7	352.1
1989	182	199.22	10.3	388.3
1990	182	217.87	9.4	424.6
1991	182	249.94	14.7	487.1

SOCIOLOGY & ANTHROPOLOGY
(7 titles dropped; 7 added;
62% of the titles increased in price)

Year	No. of Titles	Average Price	Percent Increase	Index
1977	128	19.68	--	100.0
1983	149	40.54	11.4	206.0
1984	149	43.87	8.2	222.9
1985	149	50.87	16.0	258.5
1986	149	56.31	10.7	286.1
1987	149	60.29	7.1	306.4
1988	149	64.27	6.6	326.6
1989	149	66.73	3.8	339.1
1990	149	77.61	16.3	394.4
1991	149	88.69	14.3	[illegible]0.7

LAW
(2 titles dropped; 2 added;
31% of the titles increased in price)

Year	No. of Titles	Average Price	Percent Increase	Index
1977	229	17.36	--	100.0
1983	267	29.66	7.7	170.9
1984	273	31.31	5.6	180.4
1985	273	35.13	12.2	202.4
1986	273	36.44	3.7	209.9
1987	273	39.82	9.3	229.4
1988	273	43.33	8.8	249.6
1989	273	46.01	6.2	265.0
1990	273	50.32	9.4	289.8
1991	273	53.30	5.9	307.0

PHILOSOPHY & RELIGION
(1 title dropped; 1 added;
32% of the titles increased in price)

Year	No. of Titles	Average Price	Percent Increase	Index
1977	107	10.89	--	100.0
1983	126	20.21	12.8	185.6
1984	130	21.94	8.6	201.5
1985	130	24.30	10.8	223.1
1986	130	24.85	2.3	228.2
1987	130	25.60	3.0	235.1
1988	130	27.09	5.8	248.8
1989	130	28.62	5.6	262.8
1990	130	30.76	7.5	282.5
1991	130	32.91	7.0	302.2

SOVIET TRANSLATIONS
(0 titles dropped; 0 added;
95% of the titles increased in price)

Year	No. of Titles	Average Price	Percent Increase	Index
1977	200	175.41	--	100.0
1983	207	341.04	14.4	194.4
1984	211	381.86	12.0	217.7
1985	211	453.47	18.8	258.5
1986	[illegible]11	483.09	6.5	275.4
1987	[illegible]1	537.54	11.3	306.4
1988	[illegible]11	592.22	10.2	337.6
1989	211	621.70	5.0	354.4
1990	211	678.09	9.1	386.6
1991	211	742.80	9.5	423.5

LIBRARY & INFORMATION SCIENCES
(4 titles dropped; 4 added;
50% of the titles increased in price)

Year	No. of Titles	Average Price	Percent Increase	Index
1977	89	16.97	--	100.0
1983	117	36.72	9.5	216.4
1984	118	38.85	5.8	228.9
1985	118	40.66	4.7	239.6
1986	118	42.82	5.3	252.4
1987	118	48.42	13.1	285.3
1988	118	51.61	6.6	304.1
1989	118	54.45	5.5	320.8
1990	118	57.34	5.3	337.9
1991	118	62.73	9.4	369.6

PHYSICAL EDUCATION & RECREATION
(6 titles dropped; 6 added;
31% of the titles increased in price)

Year	No. of Titles	Average Price	Percent Increase	Index
1977	130	10.00	--	100.0
1983	150	19.07	12.8	190.7
1984	151	20.54	7.7	205.4
1985	151	23.72	15.5	237.2
1986	151	24.78	5.3	249.8
1987	151	26.67	6.8	266.7
1988	151	28.60	7.2	286.0
1989	151	30.16	5.4	301.6
1990	151	32.20	6.8	322.0
1991	151	34.64	7.6	346.4

ZOOLOGY
(0 titles dropped; 0 added;
55% of the titles increased in price)

Year	No. of Titles	Average Price	Percent Increase	Index
1977	81	33.69	--	100.0
1983	93	70.74	15.8	210.0
1984	94	78.35	10.8	232.6
1985	94	90.75	15.8	269.4
1986	94	102.83	13.3	305.2
1987	94	112.91	9.8	335.1
1988	94	127.33	12.8	378.0
1989	94	142.13	11.6	421.9
1990	94	153.78	8.2	456.5
1991	94	172.56	12.2	512.2

In order to help libraries prepare serials budgets, we present the

Price Index for U.S. Serial Services

The 28th Annual Survey of U.S. Serial Services

By Andrew Shroyer

THIS IS THE 28th annual survey of U.S. Serial Services, a product of the American Library Association's Association for Library Collections and Technical Services (ALA/ALCTS) Library Materials Price Index Committee (LMPIC), working in conjunction with the Faxon Company.

The index was produced in accordance with the American National Standard for Library and Information Sciences and Related Publishing Practice—Library Materials—Criteria for Price Indexes (ANSI Z39.20-1983). In this standard, a U.S. Serials Service is defined as "a periodical publication that revises, cumulates, abstracts, or indexes information in a specific field on a regular basis by means of new or replacement issues, pages, or cards, intended to provide information otherwise not readily available."

More than half of the title price information for the survey sample comes from the Faxon serial subscription database. Still, pricing for over 600 order-direct titles had to be compiled manually from publisher lists, prices in the issues themselves, or (at last resort in some instances) from library subscription records. In addi-

Andrew Shroyer is Serial Acquisitions Librarian, University of California Library, Santa Barbara. I want to acknowledge the kind and energetic assistance of Mary Elizabeth Clack of the Harvard College Library in matters of procedure as well as in contributing some price information I had been unable to obtain; and the expert help of Robert Davidson of the Faxon Company in compiling data and meeting our mutual deadlines

1991

tion, several new titles were added to the sample to replace titles that had discontinued publication since the 27th survey.

The data as computed by Faxon indicate that the composite average price for a U.S. Serial Service (Table I) is $412.38 for 1991, a 9.3 percent increase over the 1990 average. Separate figures for the six subject areas (Tables II–VII) show that the title sample in the "Business" category underwent more increases than other categories, with an 11.7 percent average increase; and that the "Science & Technology" category follows with a 9.1 percent average increase. The most modest increases are in the "Government Documents" and "General & Humanities" categories, with 6.2 percent and 6.5 percent average increases over 1990, respectively.

The "Wilson Index" (Table VIII), compiled separately by the H.W. Wilson Company (on the basis of prices paid by subscribers, divided by the total number of subscribers), shows an average price of $262.97 for 1991 Wilson serial services, a 10.5 percent increase over 1990.

Revised figures for 1988–90 in the "Social Sciences" category will appear in next year's study, when the two titles mentioned in footnotes to Table VI are removed from each year's sample. Removal of these titles will result in an indication of net average increases in this category for 1990 over 1989, and 1989 over 1988 prices.

By decision of ALA/ALCTS, the title sample within the "Law" category will be substantially revised with next year's index, to remedy possible regional biases and disproportionate representation of certain publishers' titles in the current sample.

Table I:
U.S. SERIALS SERVICES

(excluding "Wilson Index"; excluding Soviet Translations as of 1988)

YEAR	NO. OF TITLES	AVERAGE PRICE*	PERCENT INCREASE	INDEX
1977	1,432	$142.27	–	100.0
1980	1,470	194.21	13.5	136.5
1981	1,477	219.75	13.2	154.5
1982	1,494	244.52	11.3	171.9
1983	1,525	274.72	12.4	182.1
1984	1,537	295.13	7.4	207.4
1985–87	n/a	n/a	n/a	n/a
1988	1,310	341.32	n/a	239.9
1989	1,308	363.20	6.4	255.3
1990	1,308	377.24	3.9	265.2
1991	1,307	412.38	9.3	289.9

Table II:
BUSINESS

YEAR	NO. OF TITLES	AVERAGE PRICE*	PERCENT INCREASE	INDEX
1977	255	$216.28	--	100.0
1980	279	294.00	18.0	135.9
1981	271	343.29	16.8	158.7
1982	276	371.03	8.1	171.6
1983	286	417.83	12.6	193.2
1984	289	437.07	4.6	202.1
1985–87	n/a	n/a	n/a	n/a
1988	281	458.33	n/a	211.9
1989	281	493.23	7.6	228.1
1990	281	523.79	6.2	242.2
1991	281	584.93	11.7	270.5

Table III:
GENERAL & HUMANITIES

YEAR	NO. OF TITLES	AVERAGE PRICE*	PERCENT INCREASE	INDEX
1977	113	$90.44	--	100.0
1980	118	124.28	4.6	137.4
1981	120	142.04	14.3	157.1
1982	119	160.03	12.7	176.9
1983	120	186.67	16.6	206.4
1984	122	196.55	5.3	217.3
1985–87	n/a	n/a	n/a	n/a
1988	116	225.95	n/a	249.8
1989	116	255.27	13.0	282.3
1990	116	274.39	7.5	303.4
1991	116	292.23	6.5	323.1

Table IV:
LAW

YEAR	NO. OF TITLES	AVERAGE PRICE*	PERCENT INCREASE	INDEX
1977	229	$126.74	--	100.0
1980	248	184.38	16.2	145.5
1981	251	212.85	15.4	167.9
1982	256	232.61	9.3	183.5
1983	268	249.64	7.3	197.0
1984	272	275.23	10.3	217.2
1985–87	n/a	n/a	n/a	n/a
1988	265	338.13	n/a	266.8
1989	265	354.32	4.8	279.6
1990	264	390.98	10.3	308.5
1991	264	424.68	8.6	335.1

Table V:
SCIENCE & TECHNOLOGY

YEAR	NO. OF TITLES	AVERAGE PRICE	PERCENT INCREASE	INDEX
1977	297	$141.16	--	100.0
1980	288	191.35	10.0	135.6
1981	287	214.01	11.8	151.6
1982	286	229.98	7.5	162.9
1983	282	270.94	17.8	191.9
1984	281	295.36	9.0	209.2
1985–87	n/a	n/a	n/a	n/a
1988	302	378.37	n/a	268.0
1989	302	420.19	11.1	297.7
1990	303	443.36	5.5	314.1
1991	302	483.90	9.1	342.8

Table VI:
SOCIAL SCIENCES

YEAR	NO. OF TITLES	AVERAGE PRICE	PERCENT INCREASE	INDEX
1977	134	$145.50	--	100.0
1980	143	190.07	12.1	130.6
1981	144	215.12	13.2	147.8
1982	149	249.03	15.8	171.2
1983	159	266.43	7.0	183.1
1984	159	283.82	6.5	195.1
1985–87	n/a	n/a	n/a	n/a
1988*	156	441.67	n/a	303.6
1989**	156	418.14	-5.3	287.4
1990***	156	370.40	-11.4	254.6
1991	156	398.76	7.7	274.1

* The average price includes two expensive titles- "Leading National Advertiser Multi-Media Report Service" (LNAMMRS), $8750, and "LNA-PIB Magazine Service," $7300. If these titles were omitted, the average price would be $343.18.

** Average price includes "LNAMMRS," $4200, and "LNA-PIB," $7,885. If these titles were omitted, the average price would be $345.10.

*** The titles mentioned in the above notes were dropped since they are no longer sold to libraries. Without these, average prices would be: 1988 – 343.18; 1989 – 345.10 (+.5%); 1990 – 370.40 (+6.8%).

Table VII:
U.S. DOCUMENTS

YEAR	NO. OF TITLES	AVERAGE PRICE	PERCENT INCREASE	INDEX
1977	204	$62.88	–	100.0
1980	197	78.87	4.0	125.4
1981	200	84.48	7.1	134.4
1982	202	99.05	17.2	157.5
1983	203	101.24	2.2	161.0
1984	203	97.37	-3.8	154.9
1985–87	n/a	n/a	n/a	n/a
1988	190	101.88	n/a	162.0
1989	188	110.79	8.7	176.2
1990	188	101.45	-8.4	161.3
1991	188	107.74	6.2	171.3

Table VIII:
WILSON INDEX

YEAR	NO. OF TITLES	AVERAGE PRICE	PERCENT INCREASE	INDEX
1977	18	$87.51	--	100.0
1980	19	114.05	9.0	130.3
1981	19	122.30	7.2	139.8
1982	19	132.55	8.4	151.5
1983	19	139.93	5.6	159.9
1984	19	155.77	11.3	178.0
1985	19	176.98	13.6	202.2
1986	19	193.54	9.4	221.2
1987	19	203.59	5.2	232.6
1988	19	212.17	4.2	242.5
1989	19	225.21	6.1	257.4
1990	19	237.99	5.7	272.0
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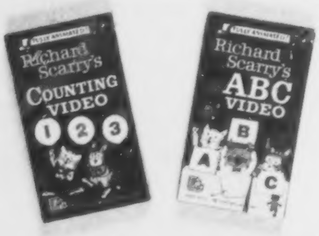
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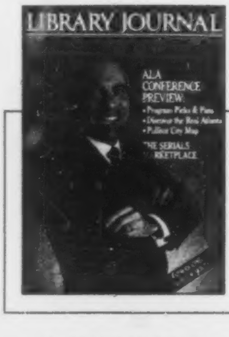
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THE SERIALS MARKETPLACE

Atlanta-Fulton County Public Library's Ron Dubberly views the 110th American Library Association Annual Conference in his city as a challenge and an opportunity for Atlanta librarians (see News, this issue, p. 23).

PHOTOGRAPH BY ROB NELSON

June 1, 1991

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The results of the first national survey of librarians, publishers, and vendors offer an interesting perspective on

THE SERIALS MARKETPLACE

By Jane Treadwell & Lee Ketcham

THE UPROAR OVER serials prices in the past few years has obscured other important issues in the marketplace. Questions of how libraries buy, what marketing techniques work, how claims are processed, and the progress of serials automation have been virtually ignored.

To address this, a survey of the serials marketplace in North America was conducted in the summer of 1990 by the American Association of Publishers/Association for Library Collections and Technical Services (AAP/ALCTS) Joint Committee of the American Library Association (ALA). One survey was sent to serials publishers, a second to subscription agents, and a third to libraries, asking questions about their policies and practices and seeking some idea about their attitudes toward the other groups. The results of these surveys, with reactions from panels of experts, will be the subject of an all-day program, "Beyond Price: Serials

What Librarians Use To Buy Serials

Survey respondents identified the following as being the most important tools, aids, or factors in selecting serials (listed in descending order of importance):

- Patron requests
- Sample copies
- Abstracts/Indexes
- Inclusion on a recommended list
- Reputation of publisher
- Professional journals
- Reputation of authors/editors
- Library review media
- Promotional brochures
- General trade review media
- Information obtained at library conferences
- Publishers' catalogs
- Information obtained at academic meetings

How Librarians Select Serials Vendors

When a library selects a serials vendor, the following factors were identified by survey respondents as being most important (listed in descending order of importance):

- Effectiveness of resolving claims
- Accuracy of invoices
- Timeliness in processing orders
- Responsiveness of customer service personnel
- Willingness to handle all serial titles unless publisher requires a direct order
- Comprehensiveness of vendor's title file
- Competitiveness of handling charge
- Availability of management reports
- Availability of published catalogs
- Provision of customized budget forecasts

Jane Treadwell is Director of Collections and Technical Services, General Libraries, Emory University, Atlanta, and Lee Ketcham is Director of Account Services, Southeastern Region, EBSCO Subscription Services, Birmingham, Alabama. Robert Greene, Science Collection Management Coordinator, General Libraries, Emory University, tabulated and interpreted the statistical data

Trends in the 90's," at the ALA Annual Conference in Atlanta on Sunday, June 30, 9:30 a.m.–5:30 p.m.

The library survey

The extensive library survey (51 questions) was sent to every library in the Association of Research Libraries (ARL) and a random sample of public, academic and special libraries—446 in all. The results show that serials continue to be much on the mind of the largest research libraries; the response rate was 56 percent for all libraries and nearly 80 percent for ARL libraries.

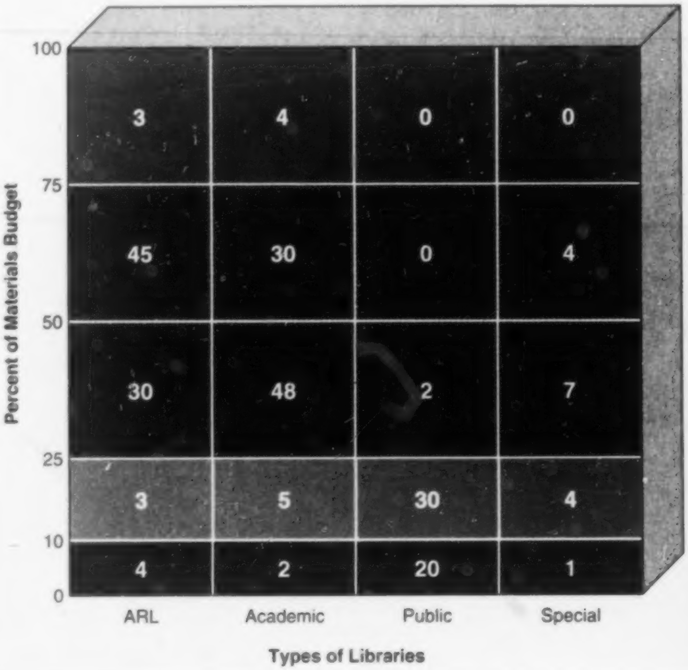
Library budget trends

The libraries responding to the survey confirmed the conventional wisdom about library budgets: they're not getting any bigger. Libraries were asked to assess how their budgets might increase or decrease over the next three years in relation to the inflation rate for books and serials. Only ten percent of the respondents expect their budgets to increase above the inflation rate during the next three years. Another 20 percent project budget increases *at* the inflation rate. The majority (62 percent) see their budgets either increasing below the inflation rate or remaining the same. Interestingly, only 5.4 percent of libraries expect budget cuts over the next three years.

When asked about the percentage of the materials budgets currently spent on serials (periodicals/magazines/journals), libraries seem to respond according to type. The majority of ARL libraries spend 50–74 percent of their budgets on serials, academic non-ARL libraries typically budget 25–49 percent, and public libraries allocate no more than 25 percent of their budgets to serials. Questioned concerning a reasonable percentage of the total budget to expend on serials, responses appeared to coincide with practice. Special libraries were the only group for whom theory differed from practice. Although the majority of special libraries saw 42–55 percent as the ideal amount to spend on serials, actual expenditures ranged from ten to 74 percent of the total budget.

Despite the generally gloomy outlooks for library budgets and reports of massive serials cancellations during the past year, in the summer of 1990, libraries on the whole were adding more serials titles than they were cancelling. The exact questions asked were: "During your last fiscal year, how many new orders were placed for serials?" and "How many serials titles were cancelled?" Smaller academic libraries were clustered in the ranges of one to 15 and 16–50 titles added, but cancelled mostly in the range of one to 15 titles. The majority of public libraries added and cancelled between one and 15 titles, with a few more additions than cancellations. Of the ARL libraries, on the other hand, two-thirds reported adding more than 100 titles, while only one-third reported cancelling more than 100 titles.

Library Serials Expenditures
(Number of Libraries Within Each Percentage Range)



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The questions about new orders for serials and serials titles cancelled were not framed in terms of price. Perhaps if we had asked for dollar amounts of new serials subscriptions vs. cancelled titles a different picture would have emerged. Purely on the basis of numbers of titles, however, there appears to be no overall decline in the market for serials among North American libraries.

The extent of resource sharing

These survey results also confirm a trend toward resource sharing. Most of the respondents (86 percent) were members of one or more cooperative organizations for resource sharing, and the use of interlibrary loan (ILL) is on the increase. Nearly three-quarters of the respondents said that the number of ILL requests placed and fulfilled by their institutions had gone up over the past three years. Only 25 percent reported that ILL activity has decreased or remained about the same. To provide an idea of the amount of ILL traffic in journal articles, while 40 percent of libraries said that during the previous year they fulfilled 1000 or fewer requests for journal articles, 28.5 percent fulfilled 5000 or more, an average of 14 articles a day.

Who makes the decisions?

In selection and deselection decisions in libraries, who are the key players? The answer once again seems to vary by type of library. For all except ARL libraries, the director appears to play the dominant role. This is especially true for special libraries that typically have a very small professional staff. In academic non-ARL libraries, the director was seen as the key decisionmaker by a little over half the respondents, with faculty the next most frequent choice.

In public libraries, the director edged out the head of collection development as the key decisionmaker, but it was only in public libraries that the head of collection development seemed to play much of a role at all. In ARL libraries, our respondents believe that subject specialists are by far the most powerful people in matters of serials selection and cancellation. They received twice as many votes as either the head of collection development or the faculty, who tied for second place. The role of director in making serials selection and deselection decisions is greatly diminished in the larger and more complex world of the ARL library, with only five respondents seeing the director as the key individual.

Fulfillment and distribution

With such a large portion of a library's materials budget allocated to serials, the way subscriptions are handled is of immense concern to librarians. Most libraries place over 75 percent of their orders through vendors. A third of the libraries in the survey work with just one vendor, but almost 30 percent do business with ten or more. Since there are relatively few serials vendors in the world, this means some libraries use nearly all of them.

The survey included several questions about claims, one of the top two considerations for libraries when selecting a vendor. Over half of the libraries responding believe that 75 percent or more of their claims for missed issues are being supplied. However, a disturbing 30 percent of libraries believe that 50 percent or less of their claims are fulfilled. Expectations concerning what vendors and publishers should do to supply claimed issues are extremely high. When asked if vendors should supply missed issues even if the publisher cannot, half of our respondents said that they should.

Automation and new technologies

To what degree have libraries been able to automate serials processes and interface with serials vendors? The number of completed interfaces is modest overall. ARL libraries, not surprisingly, lead nonARL, corporate/special, and public libraries in all areas of implementation. Close to half of all public library respondents indicate no plans to implement automation at this time, except in the area of acquisitions, where 60 percent expect to undertake an automation project within two to five years.

The library survey also included some questions about library use of new electronic formats. The committee was especially interested in CD-ROM because it is most often sold on a subscription basis, becoming in effect a part of the serials budget. Only 13.5 percent of the libraries reported owning no CD-ROM products.

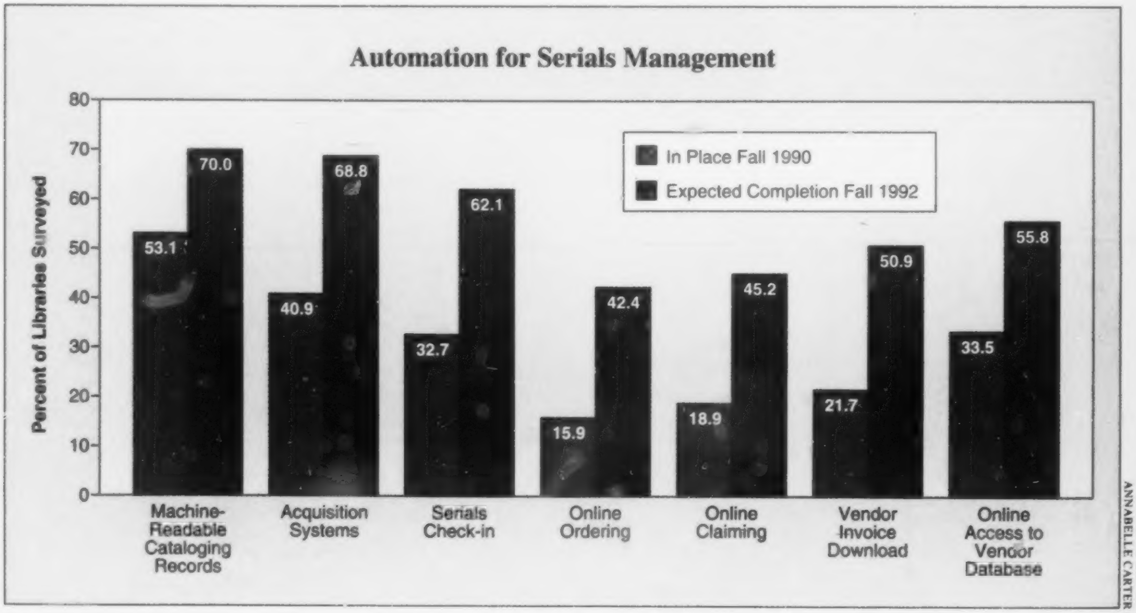
On the other hand, only ten percent own more than 20 CD-ROMs. The majority of libraries fell into the one to ten range, with indexes and abstracts being the most popular type of publication to buy in the CD-ROM format. A surprising number of libraries (37 percent) indicated that they subscribe or plan to subscribe within the next five years to full-text journals online.

The publisher survey

The publisher survey was mailed to 300 publishers selected from the files of a major vendor. The 76 respondents included 11 scientific, technological, and medical (STM) publishers, 25 trade publishers (including consumer/popular presses and other miscellaneous types), 19 association, 12 scholarly, and five university presses. Virtually all are located in North America, the United Kingdom, and Western Europe. Libraries dominate the market for only half of the publishers surveyed, and subscription agencies were involved in a little more than half of the total sales to libraries for this group.

Pricing practices

It is a fact of life that librarians set budgets and order subscriptions



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for the upcoming year before most serial price increases are known. The survey results don't seem to offer any hope of relief from this dilemma. The majority of publishers (64 percent) set prices for the upcoming year some time between May and August. They tend to relay the new prices to agents, however, between July and October (71 percent). When asked if it would be possible to supply prices to agents any earlier, 78 percent said "no."

Librarians and publishers have been exchanging volleys for several years on the issue of size vs. price. STM publishers in particular have come under criticism for adding volumes, issues, and pages to a serial title and inevitably swelling the price. The survey reveals that they are not alone in this practice. When questioned about the percentage of titles for which there was a substantial increase in the number of pages, volumes, or issues last year, scholarly and association publishers exhibited growth patterns similar to those of STM publishers.

Publisher services

Publishers were asked how long it takes them to perform certain routine procedures. Some of the answers were surprising in comparison to library perceptions. For example, 70 percent of the respondents indicated that they process new orders in 30 days or less from receipt of order to mailing of first issue; 73 percent can do the same for renewal orders. Twenty-five percent said that they respond to missing-issue claims in one to three days, 22 percent in four to seven days, and another 41 percent in two to four weeks.

In pursuit of the perfect claiming method, we asked publishers to rank various claim delivery methods according to which got the quickest response. FAX and telephone claims appear to hold a significant edge over the U.S. mail. Only a few publishers can receive claims by electronic mail, leaving the question of their effectiveness unresolved by this survey. STM publishers are more likely than other types of publishers to have replacement issues on hand because they tend to print a higher percentage of extra issues.

Many publishers question the value of agents, despite the fact that 62 of the 76 publishers surveyed believe that larger libraries generally prefer to order through a vendor. Only 55 percent, for example, agree that agents lower a publisher's operating costs; 66 percent believe that they should give agents discounts. Nevertheless, 72 percent of all respondents offer discounts to agents.

Publishers' use of new technologies

Many of the benefits of automated serials systems in libraries depend ultimately on the ability of publishers to exchange data in standard formats with libraries either directly or through subscription agencies. What is the status of automation among serials publishers? The survey found that STM and university presses were two to three times more likely than other publishers to be operational or near completion in their ability to accept orders, renewals, and claims electronically. Only two publishers (both STM) are now able to electronically distribute journal dispatch information to agents, and a mere handful in all categories expect to be able to do it in the next two years. In every category of publisher, in fact, the majority of respondents have no future plans to distribute dispatch information electronically.

> The survey revealed that libraries on the whole were adding more serials titles than they were cancelling

We asked publishers about their plans to publish journals online and on CD-ROM. Interestingly, trade publishers are embracing these new technologies more enthusiastically than other publishers. According to the survey results, half of all trade publishers will have electronic journals in publication by 1992, and almost 40 percent will have journals full text on CD-ROM. None of the university presses surveyed plan to publish journals online and only one has plans to publish on CD-ROM. Fifty-eight percent of STM publishers say they have no plans to use either technology for publishing their journals.

The vendor survey

Response to the vendor survey was disappointing, both in terms of number and completeness of returned questionnaires. Forty agencies were included in the survey. Of the ten that responded, three are from the United States, two from the United Kingdom, three from Western Europe, and one each from New Zealand and South Africa. The group included two agencies with annual sales of over $100 million and six with sales under $25 million.

Despite the diversity in size and location, the vendors exhibited common tendencies in many practices. For example, five out of the ten bill with firm prices at the exchange rate on the day of the invoice. Another three bill back if the exchange rate has changed on the date of payment. None of the respondents indicated that they issue credit if the rate changes favorably for the subscriber on the date of payment. Relative to claims, the majority of agencies process them within one to three days, and all but one screen for premature claims. Nine of the vendors will request sample issues from publishers. Seven supply free catalogs listing serial titles for customers.

The unautomated vendor

Perhaps the most interesting trend revealed by the survey was in regard to automation. It appears that vendor interfaces with publishers lag somewhat behind interfaces with libraries. Six out of ten vendors receive claims and orders from libraries online, yet only two agencies are able to pass along the claims to publishers in an online mode, and only three are able to send new orders online to publishers. However, six of the ten vendors surveyed do submit renewal orders on tape to some publishers.

The next step

This survey was the first of its kind in terms of a joint effort by librarians, serials publishers, and subscription agents under the sponsorship of ALA and AAP. The committee hopes that the surveys would spark the process of dialog and collaboration among publishers, subscription agents, and librarians. The day-long program at the ALA conference will offer an opportunity for the three groups to examine the results in greater detail and to plan further projects.

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JUNE 15, 1991

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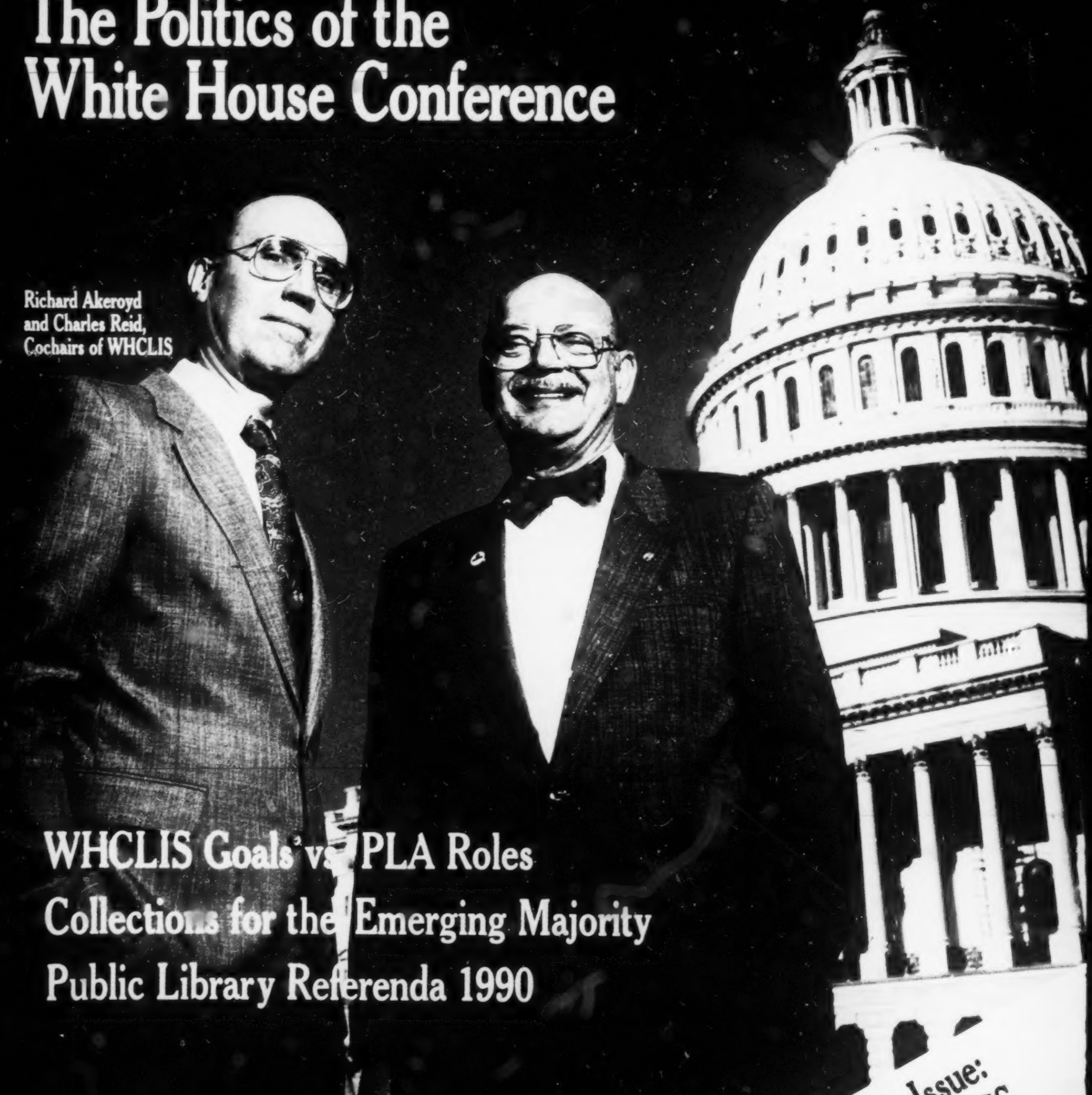
The Politics of the White House Conference



Richard Akeroyd
and Charles Reid,
Cochairs of WHCLIS

WHCLIS Goals vs. PLA Roles

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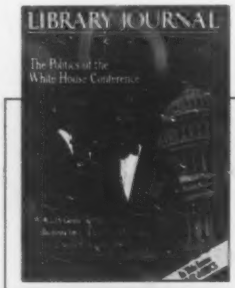
LIBRARY JOURNAL
The Politics of the White House Conference

Twelve years after WHCLIS I, WHCLIS II is just a shout away. Conference cochairs Richard Akeroyd (l.) and Charles Reid hope the process is just beginning. We see the monster "Lurching Toward Washington" on page 32.

PHOTOGRAPH BY KATHERINE LAMBERT

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☐NEWS☐

BY JUDY QUINN & MICHAEL ROGERS

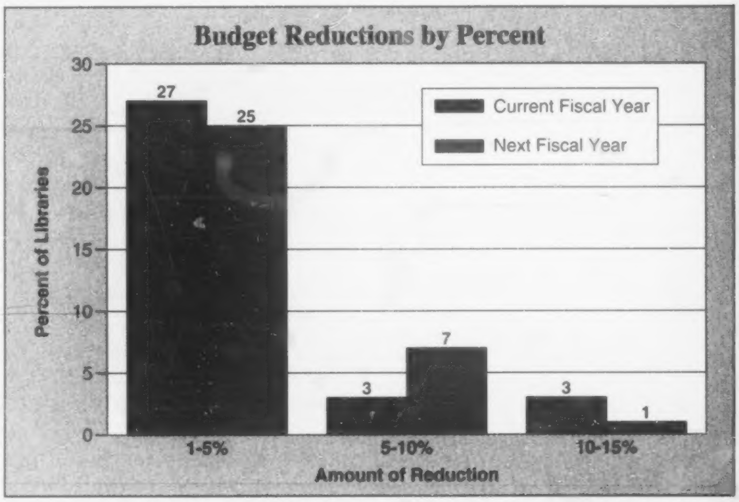
ARL Libraries Fight for Their "Place" on Campus

As budget crises and threats to higher education loom, Association of Research Libraries (ARL) members reshape their services

"Is the Library a Place?" was the theme of the 118th membership meeting of the Association of Research Libraries (May 15–17, Montreal), and while the emphasis was intended to be on library design, the budget crises preying on attendees' minds transformed it to a query about the entire future of their institutions. University of California–Berkeley's Joe Rosenthal spoke for many when he described "a real and growing sense that [the future] will be a different ball game," creating "a dramatic change in the way we offer services."

The meeting began on May 15 with home slides taken by an architect showing a grand tour of the great European libraries, but attendees were more interested in the May 17 presentation of "snapshots" of data from an ARL member budget survey, which SUNY-Buffalo's Barbara von Wahlde described as "capturing a moving target."

Indeed, the budgets of these research libraries seem as volatile as their scholars' chemistry experiments; some directors (like University of Nebraska's Kent Hendrickson) had to leave the ARL meeting to work out final budget details; others were still in budget limbo. SUNY's von Wahlde, for example, received a call on the final morning of the meeting that some monies from an expected five percent cut would be restored.



Most ARL libraries are managing a budget cut of one to five percent for this fiscal year, but next year, more cuts creep into the five to ten percent category

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A chilly forecast

Despite these fluctuations, the ARL/OMS (Office of Management Services) Financial Strategies Quick-Spec Survey Tabulation (as the survey is called), which presenter John Haak, director of libraries at the University of Hawaii, describes as a "temperature reading," forecasts a chilly budget future. Of the 80 ARL member libraries that responded (total membership is 119) to survey questions in April, 52.5 percent said their library was faced with budget restrictions during this fiscal year, with the number jumping to 61.2 percent when asked about the upcoming fiscal year. Haak said the numbers are even more grim since flat-line or no-growth budgets, experienced by many, ultimately spell a loss as well. Others at the meeting noted that many libraries didn't know the full extent of budget cuts by the April survey date.

The amount of cuts is also increasing: of the 33 libraries that detailed their cuts for the current fiscal year, 9.7 percent were facing cuts of over $1 million; 6.5 percent were facing cuts of $600,001–$1 million; 6.5 percent were facing cuts of $400,001–$600,000; 38.7 percent were facing cuts of $200,001–$400,000; 22.6 percent were facing cuts of $100,001–$200,000; and 16.1 percent were facing cuts of $20,000–$100,000.

As for the 24 libraries that detailed their cuts for the next fiscal year: while the percentage of those facing cuts of over $1 million dropped from 9.7 percent to 4.2 percent, other categories jumped: 37.5 percent are facing cuts of $500,001–$1 million; 37.5 percent are facing cuts of $200,001–$500,000; 16.7 percent were facing cuts of $100,001–$200,000; and 4.2 percent were facing cuts of $20,000–$100,000.

Direct threat of indirect costs

Add to these internal budget problems new scrutiny from the federal government. Pru Adler, ARL's lobbyist, told *LJ* that the recent Congressional hearings on universities' indirect or overhead costs related to federal research grants—with Stanford University's charging of luxury items as overhead much ballyhooed in the press—has cast a bad tinge to higher education as a whole. This is particularly unfortunate timing with the Higher Education Act up for reapproval this summer, Adler noted.

While a much-needed federal itemization of acceptable indirect costs is now forthcoming, over 250 universities—many of them ARL members—are on notice for possible audits related to research grants. Many of these libraries may be forced to justify and perhaps pare down their part of these indirect cost charges. At this meeting, ARL called for members to share how they account for indirect costs, and how—if at all—they receive back indirect cost monies. After pooling this information the ARL office will then prepare a kit for members—under audit or otherwise—to cope with this complicated issue.

Restrictions spell revolution?

Surprisingly, most attendees didn't dwell on complaining about budget cuts so much as how to cope with them. While the ARL survey revealed that staff layoffs and hiring freezes seem to be the most used budget restriction (Haak called the 136 "lost positions," as revealed by the survey, a "conservative figure"), it appears that libraries are starting to rethink the "place" the research library has on a university campus. Some of its "place" may be off-site; while the ARL meeting's main programs focused on library building and architecture, a breakout session on remote storage proved popular as librarians considered putting their inactive materials in cheaper-to-maintain warehouses. Such a move is in part a recognition of limited funds or space to build, renovate, or add to library facilities.

All this spells revolution. "We're reporting the same sorts of shaving activities we've always been engaged in," said Yale's Penny Abell about the ARL survey results. "Is anyone taking bolder steps," she asked the ARL membership, "perhaps taking advantage of this time to press certain initiatives?"

Here were some responses: UC-Berkeley's Rosenthal has limited graduate library access to UC students and reduced one-on-one bibliographic instruction. Syracuse's David Stam responded that some scholars now consider Rosenthal "nasty," but he was also sympathetic about the need for Rosenthal's strictures. Such measures, ARL attendees discussed, could lessen the perhaps unrealistic mandate that libraries provide access, availability, and personal attention to all.

Rosenthal also called for the Library of Congress to conduct major cataloging reform, a comment that drew cheers from attendees. If cataloging was less time-consuming, staff time could be freed up to perform other services, many agreed.

While Haak noted that the survey revealed that "materials budgets are rarely used to finance access rather than purchases," Virginia Polytech's Paul Gherman said he will start investing more in access to serials (document delivery, etc.) to save the spiraling costs of serials subscriptions. SUNY-Buffalo's von Wahlde thought early in her current budget negotiations that she'd have to eliminate reserve services entirely; with new budget fund restorations, she's keeping reserves but discovered she could streamline and eliminate the number of service points, anyway. Brown University's Merrily Taylor asked her department heads for cost-saving measures and found that she "got back a higher level of potential savings than we had to give."

"We should have been thinking this way without the impetus [of budget cuts]," she admitted. □

Major Book Preservation Plans Announced

Johns Hopkins and soon the Library of Congress make commitment to mass deacidification of collections

On May 8, Johns Hopkins University's Milton S. Eisenhower Library in Baltimore became the first university library in the nation to sign a contract with a vendor, in this case Akzo, a Netherlands-based chemical corporation, to begin mass deacidification to preserve books in its library collection. Library officials hope that ultimately 2.1 million books in the collection will undergo this chemical process of treating books with diethyl zinc (DEZ) in a vapor deacidification process developed in the 1970s for the Library of Congress.

"We did a lot of research," Eisenhower Library Director Scott Bennett recently told *Library Hotline*, "and we are now absolutely comfortable with the DEZ process." The contract agreement calls for Johns Hopkins to make monthly shipments to Akzo between June 1, 1991 and May 31, 1992, a commitment totaling $40,000. The library will send approximately 4000 books the first year, representing the foreign-language books published in paperback in Second and Third World countries. These books are printed on highly acidic paper in limited print runs and would, therefore, be the hardest to replace.

Bennett estimates that each book will cost about $9.75 to deacidify, plus another $1 for shipping. Even at nearly $11, deacidification is a more cost-effective preservation method than the standard photocopying or microfilming that costs upwards of $70 per book.

Slow but sure progress at LC

Meanwhile back at the Library of Congress, which originally created

Are new library roles hostile to programs serving development or democracy?

WHCLIS Goals vs. PLA Roles

By Joan C. Durrance
& Catherine Allen

THE PLANNERS of the 1991 White House Conference on Library and Information Services (WHCLIS) have chosen library and information services for literacy, productivity, and democracy as the themes of the event. The process leading to the conference has already raised public awareness of these new demands upon library and information services and their potential benefits. This article explores how the last decade of public library planning and role setting has or will relate to, and advance or impede, those WHCLIS aims for libraries.

Library planning and roles

The federal government funded a comprehensive examination of literacy services in public libraries, but there is virtually no data on the extent to which public libraries provide services to support economic development or information in support of democracy and self-government.[1]

In 1987 the Public Library Association issued *Planning and Role Setting for Public Libraries* (*PRSPL*), a manual offering a method for developing services based on the needs of a community.[2] It recommends that libraries select the three or four roles that would be most responsive to the needs of the specific community they serve. *PRSPL* identifies eight roles from which public libraries might select:

1. Popular Materials Library;
2. Reference Library;
3. Preschooler's Door to Learning;
4. Community Activities Center;
5. Community Information Center;
6. Formal Education Support Center;
7. Independent Learning Center; and
8. Research Center.

There is little data on the effect that choosing roles has on the public library's ability to respond to community needs.

This article uses data collected by the Public Library Data Service[3] (PLDS) (see sidebar, p. 42) to examine current public library provision of services in literacy, economic development, and government information, the WHCLIS themes. We relate that baseline data to library choices of roles recommended in *PRSPL*, examining closely the time, expertise, and effort needed along with the influence of library role selection on the WHCLIS goals.

Literacy services

Literacy has been a concern of libraries for many years. The ten questions PLA asked public libraries reflect this experience. Nearly nine out of ten libraries indicated that their libraries have literacy materials (see Chart 1). More than eight out of ten provide referral to literacy programs in the area and make space available for literacy activities. At a time when literacy has become a primary concern of the nation, it is not surprising to find that most public libraries pro-

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Joan C. Durrance is an Associate Professor, and Catherine Allen, a Research Assistant at the time of writing, is a recent graduate, School of Information and Library Studies, University of Michigan, Ann Arbor

vide literacy materials, referral to other agencies, and make space available for literacy programs.

As activities become more labor-intensive and involve more of a librarian's time, fewer libraries participate. However, nearly seven in ten are engaged in a literacy coalition, which, in all likelihood, involves periodic meetings with other agency staff. Involvement in literacy coalitions is likely to increase. The U.S. Office of Library Programs reports that one of the primary goals of its Library Literacy Project is to "encourage cooperation among literacy providers in a community."[4]

Approximately 68 percent said that they provided tours or orientation to their literacy materials or services. A little more than six in ten publicize literacy programs. Recent innovative publicity campaigns include two from California. The Napa City-County Library used literacy students currently enrolled in its program in its radio public service announcements. The Menlo Park Public Library staff prepared publicity for its literacy program in Spanish, Chinese, Vietnamese, Laotian, Thai, and Farsi.[5]

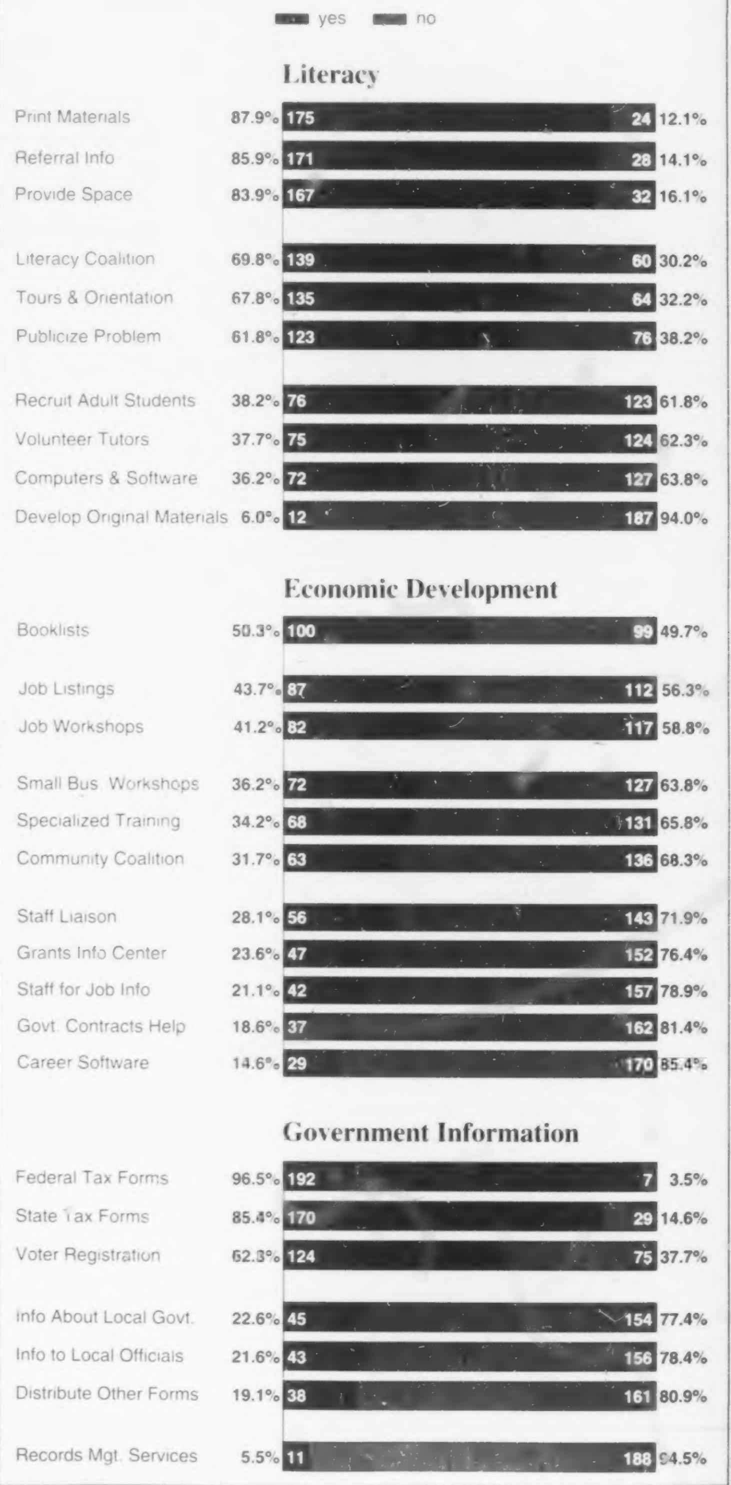
Only slightly over one third of the public libraries in our study either recruit adult students or tutors or provide computer software designed to teach basic literacy skills. However, libraries that effectively engage in these activities find that their programs grow rapidly. The Toledo-Lucas County Public Library, for example, found that its "Read for Literacy" program that involves adult students and volunteer tutors has grown from 100 to 432 as the result of recruitment activities.[6] The Missoula Public Library, Montana recruited parents into its adult literacy program by holding it at the same time as its children's story hour.[7]

Only six percent of these libraries indicate that they develop and produce original literacy materials. The Chicago Public Library Humboldt Branch has created a manual for recruiting and training a variety of native speakers to work with others who speak the same language to become literate in English.[8]

Literacy gets more effort

In order to measure literacy efforts, we combined the total number of responses to the literacy questions with the responses to the four ques-

Chart 1: Library Activities from the PLDS



CHARTS BY ANNABELLE CARTER

tions that were judged to indicate higher effort: developing original materials, recruiting and training volunteer tutors, recruiting adult literacy students, and participating as an active member of a literacy coalition. Providing more of the high-effort activities was seen as a higher commitment to literacy.

We found that only five percent of the public libraries in this study engaged in all four of the high-effort activities and, therefore, showed the highest commitment to literacy. However, almost 55 percent showed moderate commitment to literacy by engaging in at least two of the high-effort activities or in six to ten activities overall. A low commitment to literacy was seen in libraries that have fewer than six low-effort activities and no high-effort ones. Fully one in four libraries showed a low commitment to literacy using this measure.

Libraries tend to engage in more activities to support literacy than to support either economic development or government information. Likewise, literacy services seem to include more staff-intensive activities. Perhaps this is because literacy has been a concern of libraries for so long.

Services to economic development

Public library services that promote productivity have been interpreted by most professionals as those that foster economic development. This usually means helping business development, maintaining information on grants and government contracts, or providing job and career information services.

According to the survey results, fewer libraries have developed economic development services. While there are several literacy activities that are offered by more than 80 percent of all public libraries, only one economic development activity was provided by more than half (50.3 percent) of the libraries—developing booklists, pathfinders, or newsletters to support small business development. Although providing such lists is a traditional library activity, it does require staff time and effort.

The PLDS economic development data reflect recent growth in the development of job and career information services in public libraries.[9] About 44 percent of these public libraries provide job listings; 41 percent hold job and career workshops (see Chart 1). Over one third provide workshops for small businesses.

Slightly more than one in five public libraries have specialized staff for helping job seekers and career changers. These staff are likely to work in services called, variously, Job and Career Information Centers, Workplace, the COPE Center (Career Opportunities and Planning for Employment). Fifteen percent of these public libraries provide career software that helps library users match their interests, skills, and abilities with the demands of the job world.

The PLDS data show that libraries are beginning to provide access to the training necessary to make these innovative services work. In 1990 about one third of these libraries provided their staff with training needed to carry out these services. Nearly a third indicated that someone on the staff participated in a community economic development coalition.

A few libraries provide other innovative, staff-intensive services that foster community economic development: 28 percent provide a designated staff liaison to local economic development personnel—in small and medium-sized libraries, this is often the director.

Leaders in Canton & Toledo

The Parlin-Ingersoll Library in Canton, Illinois, for example, shows a high commitment to economic development. Staff in that library have become active participants in economic development activities in their community by making the library a primary provider and producer of informational resources.

Library staff there work closely with city officials, the Chamber of Commerce, and the Economic Development Council and have created a promotional folder on the community to attract business and new jobs to the area.[10] One library in four has created a grants information center. Closely allied to the grants center is the more intensive government contract procurement center (19 percent).

The Toledo-Lucas County Public Library, which has developed such a center, regularly announces to its community how many millions of dollars in government contracts have come to Toledo as a result of this library activity.[11]

> Staff in the Parlin-Ingersoll Library have become active participants in economic development activities in their community by making the library a primary provider and producer of informational resources

Eight of the 11 economic development activities were judged to require a high commitment of staff and time. In measuring the economic development commitment, all activities received the same weight. Nearly one quarter of the public libraries (22.6 percent) provided six to 11 economic development activities and thus were judged as having a high commitment to economic development services. Most libraries (60 percent) engaged in from one to five economic development activities. Nearly one in five libraries indicated that they engaged in no economic development activities at all.

Information for democracy

PLDS's questions reflect that in reality there is a lack of definition of the kinds of government information services that might be offered by public libraries. However, these questions do serve as indicators of the level of public library activity at this time. Like the economic development questions, these provide the first opportunity to look at the provision of government information by local public libraries nationwide.

By and large, public library services designed to foster participatory democracy are not well reflected in the current data. Perhaps the PLDS democracy questions are poorly posed. These questions have identified some activities that for the most part have been initiated by government agencies and that require no expertise and little commitment on the part of librarians, e.g., distribution of tax forms and voter registration.

Interestingly, it is these passive activities that are present in most libraries. The analysis shows that nearly all (96.5 percent) distribute federal income tax forms, and most distribute state tax forms. Well over half register voters.

Chart 1 also clearly shows that models of active library involvement in providing government information services at this time are isolated. Fewer than one quarter of these public libraries provide information services to local government officials or information to the public about their local government. However, models do exist.

Municipal Reference Libraries, products of the progressive movement, have served some communities (mostly larger ones) since the turn of the century.[12] Some public libraries have increased their activities in this area during the 1980s.

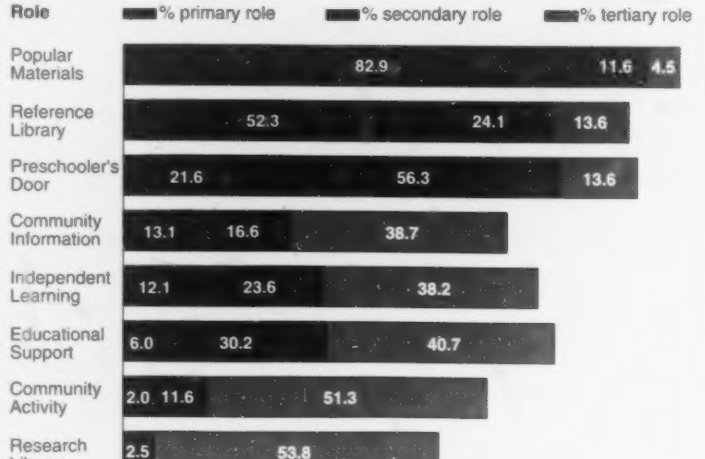
> While providing tax forms/registering voters are valuable activities, they require no special professional expertise. There is clearly a gap in commitment to providing government information for government officials and the public

Pasadena, Detroit, & Pittsburgh

As the result of a strategic planning process in the early 1980s, Pasadena Public Library changed its name to the Pasadena Information Services Library. It selected as one of its priority activities serving as a focal point for the provision of information about the community and, in addition, establishing the library as "the information and research arm of city staff and government."[13]

In the mid-1980s, building on its highly successful TIP Service, the Detroit Public Library, through a collaborative project with several other agencies, developed the Neighborhood Resource Center Project that aims to provide technical assistance to citizen groups seeking to improve their communities.[14]

Chart 2: Public Library Role Choices in Rank Order



Pittsburgh's Carnegie Library in collaboration with other groups developed NeighborLINE in the late 1980s. NeighborLINE is designed to help Pittsburgh's citizens and neighborhood organizations become more effective participants in community problem solving and decision making. It provides neighborhood leaders and organizations with information about funding sources and strategies, data on housing occupancy and vacancy, business patterns, and economic data and other statistics from local and national databases and other resources.[15]

Just five percent of the 199 public libraries provide records management services to local government. The Urbana Public Library has engaged in extensive activities in this area for some years. Librarians work with city departments as documents are generated by the departments. Thus the public library creates bibliographic access to a document at the time it is issued. The library has published a manual to guide libraries in setting up such processes.[16]

For democracy, in principle

In the area of government information, we considered that of the seven questions, only three required extensive staff time and effort—information services to local government officials, information about local government to the public, and records management services. The government information commitment variable is based on provision of these three services. Only four libraries (two percent) provided all three; 17 percent showed moderate commitment by providing from four to seven services and at least one of the high-effort activities.

Fully two-thirds of the libraries provided no more than the three government-initiated services of distributing tax forms and registering voters. While these are valuable activities, they require no special professional expertise. There is clearly a gap in commitment to providing government information for government officials and the public.

Democracy, librarians assert, depends on the informed participation of citizens and officials; libraries should play a crucial role in providing the information needed. The American Library Association Statement on Professional Ethics envisions a lofty role for librarians in a democracy.

> In a political system grounded in an informed citizenry, librarians are members of a profession expressly committed to . . . the freedom of access to information. We have a special obligation to ensure the free flow of information and ideas to present and future generations.[17]

The data show that while librarians espouse this principle, they engage in few activities that increase access to local government information.

Role selection and service

Role selection is a key part of PLA's current planning process. The PLDS *Statistical Report '90* shows that a mere three years after the publication of the manual, almost one third (199) of the 603 libraries that voluntarily sent in statistics to PLA have selected roles. This is an indicator of a fairly rapid adoption of this innovation.[18]

However, until now there has not been a great deal of discussion of the effect of role selection. The PLDS raw data provide the opportunity to examine the roles that public libraries selected and compare them with the types of literacy, economic development, and democracy activities in which these same libraries were engaged.

The 1990 PLDS questionnaire followed the recommendations of *PRSPL* and asked library managers to designate primary and secondary roles. They were asked to:

> Mark each of your primary roles
> (but no more than two) with a "1"
> and each of your secondary roles
> (but no more than two) with a "2".
> Mark all other roles with a "3."[19]

Chart 2 shows the role preferences of public libraries in 1990. It also shows that most libraries were unwilling to limit themselves to two to four roles as recommended. With the addition of the roles marked "3" (marked "tertiary roles" in Chart 2), more than half of the libraries picked all eight.

The dominant roles

Three roles are dominant: popular materials library, preschooler's door to learning, and reference library. Nearly 83 percent of public libraries have chosen the popular materials library as a primary role; 95 percent have selected it either as a primary or secondary role. Slightly more than half (52.3 percent) selected reference library as a primary role; (76.4 percent either as primary or secondary). A little over one in five libraries chose the preschooler's door to learning as a primary role and half chose it as a secondary role. Overall, more than two-thirds of the libraries chose it as a priority role.

Public library planners were far less likely to choose the other five roles as primary role choices. Perhaps this is because the popular material library, the reference library, and the preschooler's door to learning (viewed as the children's library?) are those that feel most comfortable. These three roles have been carried out by public libraries for the better part of the century.

This study shows that role choice influences the types of community-based activities in which public libraries engage. Moreover, it shows some roles are far less conducive to engaging in literacy, economic development, or democracy activities than others.

> Revisions of the public library planning manual and process should address explicitly how to incorporate activities that foster democracy and economic development into the role-setting process

Literacy services and role selection

Libraries that seek to serve independent learners and those that put a priority on reference service showed a higher level of commitment to literacy activities. Nearly six out of ten libraries that selected the independent learning center role and approximately half of those choosing the reference library role provided the types of literacy services that required more effort, time, and staff commitment.

The few libraries that did not select the popular materials library as a primary or secondary role showed a higher level of commitment to literacy than other libraries. Most of the libraries not choosing the popular materials library role showed a high commitment to literacy, compared to only 40 percent of the libraries for which it was a primary role and a quarter of those that chose it as a secondary role.

Development and role selection

There was little association in these libraries between role preference and greater commitment to economic development services. No role seems to predispose a library to greater commitment to economic development, that is, providing six to ten economic development activities.

A higher number of economic development services was provided by those libraries that did not choose the popular materials role; however, only five percent of the libraries that chose roles failed to make this one a priority.

A number of libraries that chose the following roles had no economic development activity at all. The numbers in parentheses indicate the percentages of the libraries that chose these roles as priorities and at the same time checked no economic development activities.

Preschooler's Door to Learning (30 percent no ED activities);
Independent Learning (25 percent);
Popular Materials (19 percent);
Educational Support (17 percent).

No commitment to government

The PLDS survey clearly shows that most public libraries lack a commitment to providing access to government information. There seems to be little connection to the roles chosen except in a negative way.

Most libraries (66.8 percent) show a low commitment to government information service. They provide only tax forms and voter registration. Libraries choosing educational support, independent learning,

The Public Library Data Service

THE PUBLIC LIBRARY Association's Public Library Data Service (PLDS) annually collects information on role selection, output measures, and resource use. Data in this article were from its *Statistical Report '90* (Public Library Assn./American Library Assn., 1990).

PLDS provides much more data about public libraries than has ever been made available. However, its present checklist format (yes-no answers) with no data analysis limits its use to comparing one library with another. In spite of this limitation, the fact that data have been collected from over 600 libraries of all sizes across the nation makes this a rich and useful source.

In this feature nearly a third of the 603 public libraries included in the PLDS *Statistical Report '90* are analyzed. They are the 199 libraries that had selected roles from those recommended.

Each year the PLDS also includes questions on special topics. Prompted by the themes chosen for the 1991 White House Conference, in 1990 PLDS collected data on activities supporting literacy, productivity, and democracy, the three themes of the conference.

The analysis of the responses to the special PLDS White House Conference questions and the roles chosen by these libraries provide the basis for this discussion of public library services for literacy, economic development, and government information in this feature.

The PLDS White House Conference questions include some that require little effort or expertise on the part of the librarian (such as whether the library distributes tax forms) and others that reflect a library's commitment to an activity (such as whether the library recruits and trains literacy volunteers). The tables in this article show the responses to all the PLDS questions. To study the differing levels of effort implicit in these questions, we created a set of variables that combine the answers to the questions that require greater staff time and effort.

PLDS literacy questions

In 1990 PLDS asked if libraries provided the following services in support of literacy:

- Provide literacy print materials for adult new readers, ESL learners, or tutors.
- Provide microcomputer(s) and microcomputer software to teach basic literacy skills.
- Develop/produce original literacy materials such as books, microcomputer software, or audiocassettes.
- Recruit and train literacy volunteer tutors for a library-based instructional program.
- Recruit adult students for a library-based literacy tutoring program.
- Have space that is regularly used for literacy tutoring, adult basic education classes, or tutor training programs.
- Maintain information about literacy providers in the area in order to refer requests for literacy services or information.
- Provide library tours or orientation for literacy students, tutors, or instructors.
- Participate as an active member in a literacy coalition.
- Publicize the problem of illiteracy through public hearings, informational programs, library displays, etc.

PLDS development questions

In 1990 PLDS asked if libraries provided the following services related to economic development:

- Provide workshops in the library or at other sites that foster and support small business development/entrepreneurship.
- Create and distribute booklists, pathfinders, or newsletters that support small business development/entrepreneurship.
- Provide staff with specialized training to support information services for small business development/entrepreneurship.
- Have a designated staff liaison to local economic development personnel.
- Operate a grants information center in the library.
- Provide information and/or assistance in procuring government contracts.
- Participate in community coalitions to further local economic development.
- Provide job and career information through workshops in the library or at other sites.
- Have staff with specialized training to provide job and career information.
- Provide interactive computerized career guidance software for public use.
- Provide job listings and/or a job listing database.

PLDS democracy questions

In 1990 PLDS asked libraries if they offered the following services to provide access to government information:

- Have specialized staff to provide information services to local government officials.
- Have specialized staff to provide information about local government to the public.
- Distribute federal income tax forms.
- Distribute state income tax forms.
- Provide records management services to local government.
- Regularly distribute any specific information for local government such as school registration forms, dog license application forms, etc.
- Provide opportunities for citizens to register to vote.

and popular materials were least likely to show a high commitment to providing government information.

As has been seen with data on the other two areas (literacy and economic development), those libraries that do not choose the popular materials library or the preschooler's door to learning roles showed slightly more commitment to providing government information.

Tradition and tokenism

PLA's new planning and role-setting process allows for the development of services that reflect the needs of a library's community. It has been fairly widely adopted. In less than four years, one-third of the libraries in the PLDS sample have chosen roles.

Developers of PLA's planning process saw the need to focus the efforts of public libraries and thus identified eight roles that are possible for a public library to play in its community. They cautioned public librarians that attempting all eight would spread public library services too thin. During this first round of planning, librarians chose the three most traditional roles for their greatest effort. Community-centered roles were chosen by only a few libraries as primary roles, by more as a secondary effort, but were most likely to be chosen in the category that the PLA planners warned against, the least effort (or spread thin) category.

We found by looking at the PLDS data that the public libraries that have undertaken the planning process do engage in a wide range of activities that promote literacy, economic development, and democracy in a community. However, those activities that public libraries are most likely to provide require less effort and staff expertise.

The PLDS data indicate that many libraries are making only token efforts in these areas. However, a few libraries are developing strong, high-commitment models of service in each of these areas.

Up to now there has been little study of the impact of role selection on service development. This examination of the PLDS data shows that role selection does, indeed, have an impact on public library activity. Two roles, the reference library and the independent learning center, are more likely to foster literacy activities. None of the eight roles are directly related to either economic development or democracy, although these concerns are implied in the community information center role.

Several roles appear to be hostile to the development of services to support literacy, economic development, or democracy. The popular materials library is associated with low support of these community-centered activities

Several roles appear to be hostile to the development of services to support literacy, economic development, or democracy. The popular materials library, in particular, is associated in many libraries with low support of all three of these community-centered activities.

Revisions of the public library planning manual and process should address explicitly how to incorporate activities that foster democracy and economic development into the role-setting process.

The 1990 PLDS data reflect the first round of role selection. Current roles are those that predominated well before the development of the planning process. Roles, however, are not set in stone. It is not uncommon for a new approach to initially reflect older patterns. The planning process is cyclical and, in all likelihood, many libraries that undertook the process in 1987 are beginning the process again in 1991.

Librarians should take this opportunity to look at how effectively they have used the planning and role-setting process in their own communities. Similarly, the opportunity that the White House Conference offers to public librarians to examine the extent to which their libraries provide community-centered services that foster literacy, economic development, and democracy should not be lost.

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PUBLIC LIBRARY REFERENDA 1990

While operating budgets are tightening, libraries are still making gains on capital improvement issues

Still a Boom for Bonds?

By Richard B. Hall

EIGHTY PERCENT of the referenda for public library capital campaigns reported in 1990 passed, according to the results of *LJ*'s fourth annual survey of public libraries sponsoring referenda for capital improvement. The 80 percent success rate is slightly above that of the combined data collected from 1987 to 1990 (156 out of 199 have passed and only 43 have failed, for a success rate of 78 percent). The long-term data continue to show that the chances of success for library capital campaigns are almost four to one!

For data to be included in this year's report, the referenda must have been held between July 1, 1989 and June 30, 1990. A total of 49 local referenda were reported during this time period, with 39 passing and only ten failing. Table 1 shows all of the referenda reported, listed by state and municipality.

The bill for new libraries

This year the level of funds voters were asked to approve dropped dramatically from the year before: just under $183 million of referenda were attempted compared to $395 million (including $75 million of public library construction funds approved in a California statewide referendum) last year. The average for the last four years has been approximately $240 million per year, and only 1988, at $138 million, was lower than this year. Given the limited amount of data, it is impossible to tell at this time if this downturn is part of an economic trend or simply a one-year anomaly.

> Eighty percent of the referenda for public library capital campaigns reported in 1990 passed

Of the $183 million attempted, $133 million (73 percent) was approved and almost $50 million (27 percent) was turned down by the voters. The 73 percent approval rate of funds is an improvement over last year, but slightly below the four-year combined data approval rate of 76 percent. It is encouraging to note that over three-quarters of all funds sought have been approved by the public.

The measure of success

When the percentages of votes for and against all of the 1990 referenda are averaged, the national success rate is 65 percent, which is slightly above the four-year combined data rate of 64 percent. This enviable rate for public library capital campaigns is just short of a two-thirds approval rate. This fact is significant when it is understood that a two-thirds majority is required in some states, e.g., California, Idaho, and others. It is surprising, even in these states, that public library capital referenda do as well as they do.

Winning isn't everything

Further, it should be noted that frequently when a library referendum fails, it does so by a very small margin. In four of the ten campaigns that failed this year, the loss was by no more than one percentage point. A detailed account of one of these campaigns in Farmington Hills, Michigan is described in this article (see sidebar by Beverly Papai on p. 50–51). This case history demonstrates that while losing a referendum is disappointing, there is nothing to be ashamed of—regardless of the outcome—if the campaign has been well organized and well run.

Richard B. Hall is Library Construction Bond Act Manager, California State Library

Table 1: Referenda for Public Library Buildings 1990

Community	Library	Vote		Amount of Referendum	General Special	Other Ballot Items
		For	Against			
ALABAMA						
Birmingham	Birmingham PL	73 %	27 %	$3,000,000	G	Y
CALIFORNIA						
Davis	Davis Branch Lib.	78	22	4,100,000	G	Y
Menlo Park	Menlo Park Lib.	83	17	5,000,000	G	N
Salinas	Monterey Cty. Free Lib.	51	49	7,558,000	G	Y
GEORGIA						
Valdosta	Valdosta–Lowndes Cty. PL	88	12	500,000	S	Y
IDAHO						
Twin Falls	Twin Falls PL	71	29	1,965,000	S	N
ILLINOIS						
Barrington	Barrington PL Dist.	60	40	5,325,000	G	Y
Coal City	Coal City PL Dist.	61	39	1,850,000	G	N
Eldorado	Eldorado Memorial PL Dist.	54	46	550,000	G	N
Lacon	Lacon PL Dist.	80	20	68,151	G	N
Midlothian	Midlothian PL	78	22	1,700,000	G	N
Palatine	Palatine PL	52	48	15,500,000	G	N
Westmont	Westmont PL	59	41	3,900,000	G	N
IOWA						
Anonymous	Anonymous	68	32	350,000	S	N
Newton	Newton PL	52	48	1,500,000	S	N
MASSACHUSETTS						
*Anonymous	Anonymous	38	62	2,600,000	S	Y
*Anonymous	Anonymous	49	51	102,000	G	Y
Marblehead	Abbot PL	92	8	340,000	S	Y
Rockland	Rockland Memorial Lib.	100	0	771,943	S	N
MICHIGAN						
*Farmington Hills	Farmington Community Lib.	49	51	14,500,000	G	N
*Flushing	Flushing Lib.	49	51	800,000	S	Y
Wixom	Wixom PL	51	49	1,500,000	S	Y
NEW HAMPSHIRE						
Derry	Derry PL	71	29	2,345,000	S	N
*Grantham	Dunbar Free Lib.	49	51	275,000	G	Y
New London	Tracy Memorial Lib.	80	20	1,285,300	G	Y
*Rye	Rye PL	30	70	315,000	G	Y
Swanzey Ctr.	Mt. Caesar Union Lib.	100	0	55,000	G	N
Temple	Mansfield PL	72	28	258,000	G	N
Webster	Webster Free PL	90	10	85,000	G	Y
OHIO						
Columbiana	Columbiana PL	63	37	500,000	G	N
Fairborn	Fairborn PL	56	44	1,750,000	G	N
Port Clinton	Port Clinton PL	70	30	1,200,000	G	N
OREGON						
*Bend	Deschutes Cty. Lib.	47	53	8,448,000	G	Y
Corvallis	Corvallis–Benton Cty. PL	69	31	6,850,000	G	N
Florence	Suislaw PL Dist.	70	30	1,150,000	S	N
PENNSYLVANIA						
Huntingdon Valley	Huntingdon Valley Lib.	70	30	1,785,000	S	N
TEXAS						
Angleton	Brazoria Cty. Lib. Sys.	79	21	1,020,000	S	Y
*Conroe	Montgomery Cty. Lib.	46	54	17,650,000	G	Y
Coppell	William T. Cozby PL	64	36	2,600,000	S	Y
DeSoto	DeSoto PL	64	36	2,754,000	S	Y
Duncanville	Duncanville PL	67	33	500,000	S	Y
Pasadena	Pasadena PL	65	35	1,200,000	S	Y
Richmond	Ft. Bend Cty. Lib.	69	31	10,900,000	G	N
Weatherford	Weatherford PL	57	43	600,000	S	Y
VIRGINIA						
Fairfax	Fairfax Cty. PL	62	26	39,100,000	G	Y
*Fredericksburg	Central Rappahannock Lib.	45	55	3,000,000	S	Y
WASHINGTON						
*Auburn	Auburn PL	56	44	2,000,000	G	Y
Enumclaw	Enumclaw PL	63	37	1,250,000	G	N
Port Hadlock	Jefferson Cty. Rural Lib. Dist.	73	27	400,000	S	N
TOTALS		**65 %**	**35 %**	**$182,755,394**	**G59%/ S41%**	**Y51%/ N49%**

* Referenda that failed

General vs. special elections

In 1990, 59 percent of the referenda were held during general elections, which is slightly below the four-year combined percentage of 63 percent. In comparing the success rates of referenda held during special elections and those held during general elections, it appears that special elections still have an edge overall. This year 85 percent of the referenda held during special elections passed compared to 76 percent of those held during general elections. This is comparable to the combined four-year success rate of 84 percent for special elections and 75 percent for general elections. Of the ten referenda that failed in 1990, 70 percent of them were held during general elections. Also for the 43 unsuccessful referenda over the four-year data collection period, 72 percent of these were held during general elections.

Timing is everything

While special elections appear to have an advantage over general elections for library capital campaigns, the time of the year the election is

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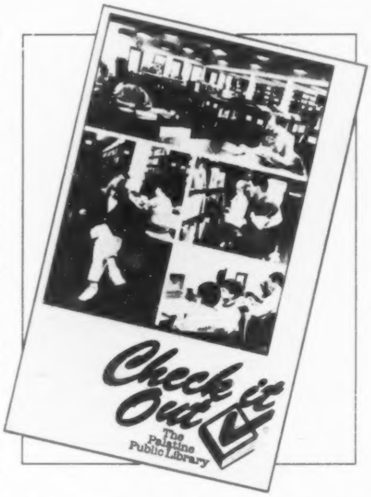
A library for 80,000 residents needed to expand for 125,000 by the year 2010

Palatine Public Library District Bond Referendum

By Jean Peterson



THE PALATINE Public Library District, an independent taxing body located in a suburb 30 miles northwest of Chicago, serves a population of 80,000 from a central library and one branch facility. The existing library opened in 1975 and was designed to serve a population of 40,000. Annexations and rapid growth have already doubled that estimate while projections call for a population of 125,000 by the year 2010.

The library has been remodeled twice in the past 15 years in an effort to use all available space as efficiently as possible. After a major remodeling in 1984–85, the Board of Trustees adopted a long-range plan calling for a space study and development of plans for expansion. A community survey was conducted in 1987 that indicated a solid base of support for a tax increase to expand the main library.

The Board of Trustees met in November 1989 to answer the question: "Could a $15.5 million bond referendum be passed for the purpose of building a new main library for the Palatine Public Library District?" The board unanimously adopted the referendum ordinance and stated, "we will do it right, because we only want to do it once!"

While a demonstrated need for additional space had been shown, there were several roadblocks in the way: a strong antitax climate existed in the northwest suburban area of Chicago; property in the library district was due for the first reassessment in five years and rumors of tax increases averaging over 50 percent were rampant; a citizens' group (People Affecting Life in the Suburbs—PALS) had been formed and had vowed to defeat any tax referenda.

The campaign

The campaign kicked off officially in January 1990, with the theme "Check It Out—The Palatine Public Library." Fundraising letters were mailed to organizations, businesses, and known library supporters in early January.

Letters were sent to all organizations and groups that met in the library, asking for a few minutes at the beginning of their February or March meetings to discuss the referendum and the need for a new library. All local PTAs, civic and community organizations, homeowners' associations, and other identifiable groups were contacted by letter (with a telephone follow-up) to request the opportunity to speak before their group.

On February 1, a newsletter was mailed to all library district residents (35,000 households) containing factual information about the proposed new library. A "Check It Out" brochure was mailed in mid-February to a list of over 13,000 households identified as having registered voters and probable library supporters. Postage paid "Vote Yes" cards were attached to the brochure and individuals receiving the material were urged to fill out the card and mail it back.

The architects prepared a study model of the new building that was displayed at the library. Committee members and trustees "worked the crowd" at library programs and on evenings and weekends at the library. The following events were sponsored: a staff kick-off pizza party; community open houses, where residents could talk to members of the board and to the architects; a breakfast for local realtors; and costumed actors at library events to pass out literature.

Voter registration campaigns were conducted at the library on weekends by the League of Women Voters. A letter-to-the-editor campaign urging local citizens to write supportive letters to local newspa-

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Table 2: Referenda Pass/Fail Ratio by Season

	1990 Data		1987–90 Data	
Season	**Pass**	**Fail**	**Pass**	**Fail**
Spring	71%	29%	66%	34%
Summer	80	20	86	14
Fall	84	16	87	13
Winter	100	0	94	6

held also seems to have significance to the probability of success when the data for the last four years are analyzed. Table 2 shows the percentage of referenda that passed or failed during the four seasons. For the combined data, summer, fall, and winter all have, on average, a success rate of close to 90 percent. The only significant variation is for the spring, which drops significantly to only 66 percent. The 1990 data alone do not show such a drastic difference, but even for this one year, spring has the lowest success rate. It is worthwhile to continue to monitor the seasonal success rate. If the trend continues as it has since 1987, library boards will want to exercise caution before proceeding with a referendum in the spring.

How do referenda compete?

With respect to competition from other capital improvement items on the ballot, in 1990, 96 percent of the referenda without competition passed and only 64 percent of those with competition passed. However, the difference is not so drastic for the four-year combined data; 74 percent passed with competition and 84 percent passed without competition. Again, this trend may be significant and bears monitoring in future years.

Table 3: Library Referenda by Authorizing Agency

Agency	1990 Data	1987-1990 Combined Data
Municipality	35%	42%
New England town	22	20
County	12	15
School district	4	11
Library district	18	8
Township	2	1
City/County	2	1
Parish	0	1
Village	2	.5
Special Authorities	2	.5

Table 3 shows the allocation of the referenda by the authorizing agency. For the combined data, municipalities lead with 42 percent. When combined with New England towns, the figure increases to 62 percent. Counties and school and library districts account for another 34 percent, with the remaining four percent spread out over various other authorities. Bond issues continue to be the most popular method of financing public library buildings. Over 80 percent of the referenda for 1990 and the combined years of 1987–1990 resulted in the issuance of bonds. As in the past, almost all of the bonds were general obligation (G.O.) bonds.

The relative importance of various campaign methods and reasons why campaigns passed or failed have not changed significantly over the last two years (see "The Votes Are In: Public Library Referenda, 1989," *LJ*, June 15, 1990, p. 42–46).

pers resulted in several published letters a week from a variety of individuals and groups. Editorial meetings were held with the reporting and editorial staffs of the local daily and weekly papers, both of which endorsed a "yes" vote for the referendum.

The Friends of the Library sponsored its semiannual book sale in late February and all attending were given a plastic bag for their purchases that promoted a "yes" vote for the March 20 referendum. Yard signs promoting a "yes" vote were placed in over 200 highly visible locations the week prior to the referendum. A member of the board arranged for a phone bank location with 50 telephone lines to be used during the final five days of the campaign. Over a hundred volunteers made phone calls to individuals who had indicated a probable "yes" vote. All those called were given the name and location of their voting precinct and were asked if they had questions. Trustees and other appropriate individuals were available to answer questions or discuss issues. More than 5000 phone calls were made.

The opposition forces were equally busy during this time, circulating flyers, posting "vote no" signs, and constantly being quoted by the press. They emphasized the tax increase, accused the library trustees of using incorrect numbers, called the proposed structure a "Taj Mahal," elicited support from senior citizens, promoted their cause at local shopping centers, and were extremely visible in the community.

The final days arrived with both sides walking precincts, distributing information, and talking to the press. Election day dawned with heavy turnouts of senior citizens at the polls, accusations of electioneering, and last-minute follow-up done by supporters of both sides of the issue. The totals seesawed back and forth throughout the evening and the election was too close to call until the final precinct came in—and the final totals were read to the cheers of library supporters: 4,437 yes to 4,056 no!

The aftermath

Our evaluation indicates that the need for additional space, the library's reputation for quality service, and the hard work and dedication of the board, the staff, the Friends, and the Citizens Committee paid off. The campaign was well planned, well organized, and kept on schedule. We were fortunate to have the expertise and talents of a number of individuals who provided guidance and leadership. Our building consultant, financial consultant, and architects were extremely supportive and provided us with the tools needed to present a proposal to the community that was not only acceptable, but worth the money! The margin of victory, even though small, was accomplished in spite of economic constraints, an antitax climate, a well-organized opposition, and timing that was certainly not ideal.

Who really won? The residents of the library district, who will soon have a new 95,000 square foot, two-story facility complete with underground parking, a state-of-the-art audiovisual department, a special area for blind and physically handicapped patrons, public meeting rooms, three separate story rooms for children's activities, space to double the collection and provide seating for over 400 people, access from two major highways and the community bike trail, and a building that will serve the community well into the 21st century.

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LIBRARY JOURNAL®

JULY 1991

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FOCUS ON PAPERBACKS:

The Appeal of Formula Romances

The Paperback Bind

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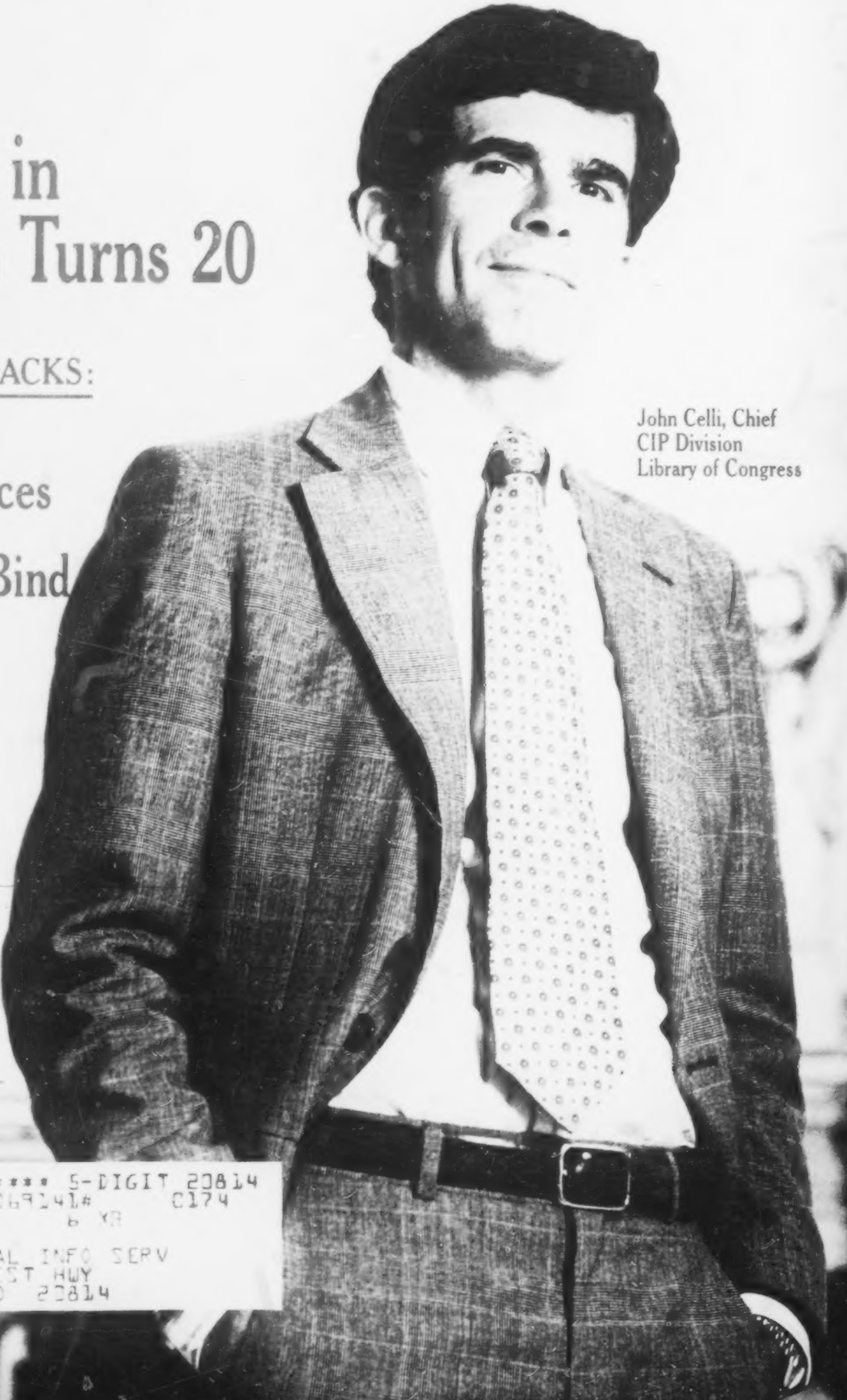

John Celli, Chief
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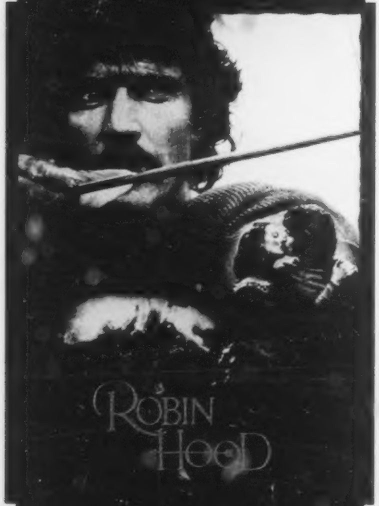

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LIBRARY

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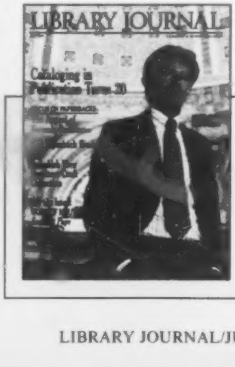

Library of Congress CIP Division Chief John Celli is proud of the work of the Cataloging in Publication Program. LC's Robert Newlen describes the history of the program in "Read the Fine Print: The Power of CIP" on page 38.

PHOTOGRAPH BY KATHERINE LAMBERT

July 1991

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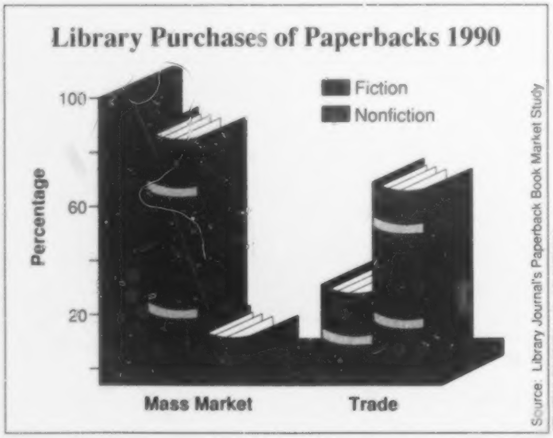
Traditionally, librarians have preferred hardcovers, but they buy paperbacks not only to save money but to meet patron demand

THE PAPERBACK BIND

By Barbara Hoffert


Library Purchases of Paperbacks 1990

Source: Library Journal's Paperback Book Market Study

CHARTS BY ANNABELLE CARTER

PAPERBACKS have been available in America since Pocket Books was launched in June 1939, but not, assume many publishers, in libraries. Those flimsy covers and bindings were not thought to withstand the beating of repeated loans. In fact, as *LJ* confirmed in a recent survey of public libraries throughout the nation, most libraries do purchase paperbacks—and not just because the price is right. Though they appreciate the savings, librarians buy paperbacks primarily because their patrons want them.

So many patrons want paperbacks—whether they prefer the format itself or simply want materials not available in hardcover—that fully 95 percent of *LJ*'s respondents carried them. These libraries, representing nearly a quarter of the randomly selected sample of 1000 public libraries subscribing to *LJ* that received the survey, boasted an average book budget of $115,520 in 1990. Budgets ranged from under $10,000 to over $500,000 but were concentrated on the lower end of the scale, with 54.5 percent indicating budgets under $100,000.

On average, these libraries spent 17 percent of their budgets, or $19,638, on paperbacks, allocating eight percent of that figure to mass market and nine percent to trade paperback titles. According to the Book Industry Study Group (BISG), a nonprofit organization based in New York, in 1989 America's libraries spent $64 million on paperbacks.

Distinguishing formats

Libraries buy both mass market and trade paperback titles, which despite their sharing soft covers are handled differently by publishers. More often distributed by the independent wholesalers that also deliver newspapers and magazines to nonbook settings like supermarkets and airports, rack-sized mass market paperbacks are priced 30 to 50 percent lower than their trade paperback cousins. Like many magazines, they are sold monthly, and unsold copies are returned to the publisher by stripping the cover.

In contrast, trade paperbacks are distributed like hardcovers. They are sold seasonally, more often through traditional channels like bookstores and jobbers, and the whole book is returned when it is not sold. Generally, the higher price is justified by a larger format and the use of higher-quality paper.

Content, too, is often thought to be of higher quality in trade paperbacks. "Usually content has a lot to do with whether a book is done trade or mass," explains Carmela Pecone, director of educational sales at Avon Books. "Mass has mass appeal while trade is more specialized, representing the upscale part of that mass market." As a result, a typical mass market title may sell 100,000 copies and a trade paperback more likely 20,000 to 50,000 copies

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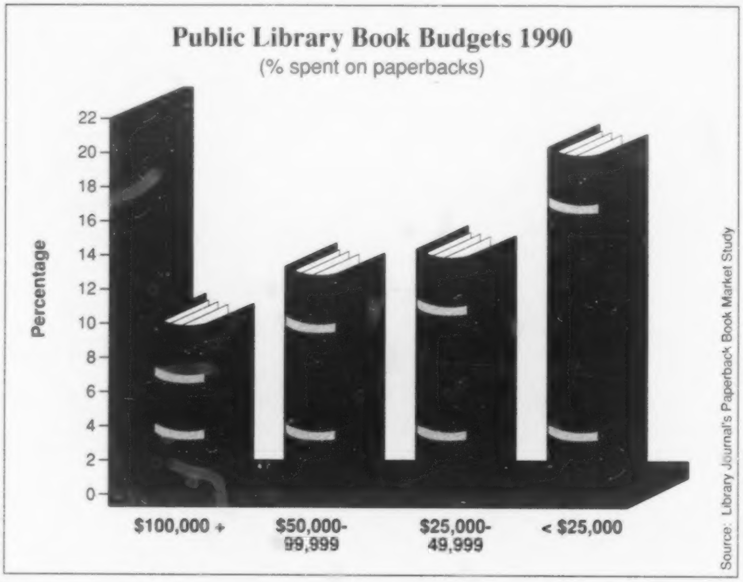
Barbara Hoffert is Senior Editor, *LJ* Book Review



Public Library Book Budgets 1990

(% spent on paperbacks)

Source: Library Journal's Paperback Book Market Study

—a factor publishers must take into account when deciding on a format.

Because so many highly popular titles, including most genre titles, are published in mass market, this format is prized in many libraries despite its small size and sometimes inferior paper. Indeed, the libraries surveyed offered patrons an average of 2,713 mass market paperbacks, ranging from 643 titles for libraries with book budgets under $10,000 to 9650 titles for libraries with budgets over $500,000. Some 63 percent of those titles were for adults and, not surprisingly, an impressive 87 percent were fiction (see chart "Public Library Purchases of Paperbacks 1990," p. 51).

Higher quality but also higher priced and not read in such volume, trade paperbacks appear in smaller numbers on library shelves. *LJ*'s respondents offered an average of 1,792 trade paperback titles, ranging from 563 titles at libraries with smaller budgets to 4,562 titles at better-funded institutions. In contrast to mass market paperbacks, nearly 70 percent of trade titles were nonfiction. Clearly, mass market and trade paperbacks serve distinct audiences, and most librarians want both. A mere two percent said they carried only the former, and three percent, only the latter.

As some publishers are finally beginning to realize, libraries represent an important market for paperback books. According to BISG statistics, a quarter of all books purchased by public libraries are now paperbacks. Given the current economic downturn, such purchases will likely increase.

Dan Farley, vice president and publisher, Trade Paperbacks, Simon & Schuster (S. & S.), has evidence to support that claim. For simultaneous editions, with both the hardcover and paperback appearing at once, he has recently noticed "a distinct shrinkage in orders for the hardcover books from the direct library market and from wholesalers dealing with libraries." That is, many librarians are ordering the paperback even when the hardcover is available.

Many librarians concur. Notes Richard Tirotta, adult materials specialist, New York Public Library, "If there is an alternative, most branches will buy paper, especially with the current budget cuts." Other librarians find it cost-effective to replace worn-out hardcovers with paperbacks. "It's economical," explains Pamela Brown of Baltimore County's Towson branch, "and we would rather buy five fresh paperbacks." Indeed, the smaller a library's budget, the higher the percent spent on paperbacks (see chart "Public Library Book Budgets 1990," this page).

Readers before budgets

But though librarians always appreciate a bargain, many are not buying paperbacks purely to save money. In fact, when asked to cite important criteria for selecting paperbacks, *LJ*'s respondents ranked only publisher/imprint name lower than price (see chart "Selection Criteria for Paperbacks 1990," p. 54). Patron demand, author's reputation, subject matter/topic, and quality/durability all beat out savings as criteria, suggesting that librarians are responding more to readers' needs than their own budgetary constraints when buying paperbacks. Further demonstrating that price is not at issue in such purchases, a quarter of the librarians not purchasing paperbacks argued that their budgets were too *small* for titles perceived as having such a short life.

If price were a main reason for purchasing paperbacks, surely most librarians would willingly replace exhausted hardcovers with spiffy yet inexpensive new paperbacks. But over half the librarians in *LJ*'s survey were noncommital about such replacements; only 20 percent said that they would probably replace hardcovers with paperbacks. Confirms Merle Jacob, head, adult collection development, Chicago Public Library, "The issue is not so much price. These days, libraries are going by what they need."

Evidently, librarians need paperbacks on their shelves to meet patron demand. Explains Brown, "We are thinking that there is a readership that is separate for paperbacks." When her branch recently integrated uncataloged paperbacks with the cataloged paperbacks and hardcovers, the circulation rate for paperbacks went down—strong evidence of an identifiable paperback readership.

To satisfy everyone, some librarians will go so far as to carry a popular title in *both* formats: a hardcover for the patron who wants to curl up in an armchair with a good, substantial book and a paperback for the adult anticipating a transcontinental flight or the teenager who finds the appealing softcover format less threatening. Other times they have no choice, buying paperbacks because "a great deal of popular material is not available in any other format," observes Fred Schlipf, director of the Urbana Free Library, Ill.

"We have an ethical mission to give patrons what they want," concludes Belleville Public Library (N.J.) Director David Bryant. "If they ask for paperbacks, and if we find paperbacks both attractive and easy to display, then price is not even relevant. That's what we buy."

Yet some librarians are still resistant. "We try to keep down the number of paperbacks because they don't hold up," explains Lina Coffey, whose responsibilities include purchasing trade paperbacks for the Port Washington Public Library, N.Y. "We buy paperbacks in areas like art, science, and home repair that we need but that won't circulate heavily." Publishers counter that they are producing a better product than previously, and libraries should give them a chance. Argues Farley:

> The paperbound books available now are more durable than they were five or ten years ago, and more paperback publishers are delivering on that important combination of acid-free paper and heavier stock. Libraries can see for themselves that these paperbacks can withstand multiple loans.

If paperbacks are more durable than they once were, must librarians still bind them before putting them on the shelves? Some 45 percent of *LJ*'s respondents said they would add some kind of reinforcement, while another 43 percent claimed to do so occasionally. Still, certain considerations argue against it. "They're flimsy, but so are hardcovers," notes Schlipf. A simple strip of tape can do the trick, and Tirrota argues vehemently against more expensive alternatives: "It's cheaper to buy the hardcover!"

More and more paperbacks

The explosion of paperbacks in libraries parallels their explosion on the American scene generally. "In 1956, Bowker's list of paperbacks was perhaps 96 pages," observes Ballantine VP and Editor-in-Chief Bob Wyatt. But adult paperback sales surged in the following years. According to American Association of Publishers (AAP) statistics, sales grew 342.5 percent between 1972 and 1980 and have stayed constant with hardcover sales since then. About a third of all titles published in 1988 were trade paperbacks (*PW*, Sept. 28, 1990).

Noting that a list of paperbacks currently in print could no longer be carried around as easily as that 1956 catalog, Wyatt exclaims, "It's wonderful. We complain about people not reading, but they must be. I think libraries have a lot to do with that."

But he also points out that the million-copy paperback best sellers so common ten or 15 years ago are a thing of the past. Competing in a more and more crowded marketplace, paperback publishers still dreaming of those blockbuster numbers have been stuck with a lot of unread books. "Right now, a 50 percent return is considered normal, which is frightening" observes Sally Richardson, senior VP, Subsidiary Rights, St. Martin's Press. As a result, St. Martin's is surveying its top wholesale customers to see what is selling best. "We are trying to publish fewer books," explains Richardson, "and get them in the right places."

The making of the hard/soft deal

Mass market paperbacks were launched in June 1939, when Pocket Books revolutionized American publishing by issuing a series of popular reprints at popular prices in a softcover format. In the early 1950s, Jason Epstein, then at Doubleday, rev-

Severn House repackages best-selling authors exclusively for the library market

The Reverse Deal: From Paperback to Hardcover

LIBRARIES ARE acquiring more and more paperbacks, but many readers still prefer the heft, spaciousness, and larger type of a hardcover book. They are particularly disappointed when titles by a favorite best-selling author appear only in paperback. Severn House, a U.K.–based publisher that has expanded into the U.S. market, has a remedy for this grievance. It buys the rights of existing mass market paperbacks, then publishes them in their first hardcover editions exclusively for the library market.

Founded in 1974 by Edwin Buckhalter, Severn House publishes a program of category fiction that embraces romance, both contemporary and historical, plus romantic suspense, mystery, Regency, horror, and sf. The authors whose early paperback titles have been resurrected in hardcover read like a veritable who's who of current best sellers, e.g., Charlotte Vale Allen, Jude Devereaux, LaVyrle Spencer, Elizabeth Peters, Fern Michaels, Catherine Coulter, and Eric V. Lustbader.

Buckhalter does careful research to decide what authors he should pursue, talking to librarians and library wholesalers about upcoming favorites and visiting libraries wherever he checks to see what books have been repeatedly date stamped. (Increasing computerization in libraries has thus made his job more difficult.) He then buys rights from the agent or publisher who has retained them, offering a standard hardcover royalty. He keeps down overhead by settling for small print runs, ultimately selling at most 2000 copies in this country and 1000 to 1500 in "what is traditionally called the Commonwealth market."

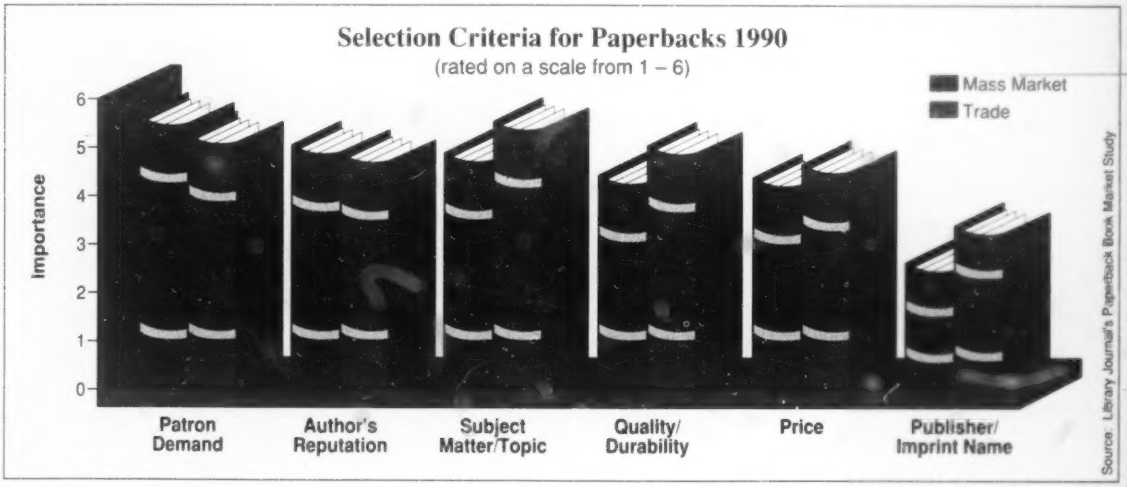
Severn House does strive for quality, however. Although it does not generally reset the type, instead blowing it up to readable proportions, it has instituted the use of permanent paper, acid-free binding, and stronger cover boards in response to library demand for a substantial product.

In the last few years, Buckhalter has made 25 trips to America, aiming to introduce American librarians to his books. Because they are mainly reprints—though he does do a small number of original titles—his books are generally not eligible for review. Getting the word out can thus be difficult, but Buckhalter has had some success. A small troop of librarians he encountered at *LJ*'s reception for those attending this year's American Booksellers Association (ABA) convention were so enthusiastic that one even proclaimed a desire to kiss his feet—"quite extraordinary when you think that I have been walking around the convention for three days."

"The popularity of our authors is such that libraries seem to want the durable copies that we can provide," observes Buckhalter. Librarians interested in more information on Severn House should contact Toronto-based publicity manager Inga Lubbock, 416-462-0652.

olutionized paperback publishing when he dreamed up the idea of the trade paperback, designed to bring readers quality titles at lower prices. Now the paperback format is also used to present original titles, ranging from mass market romances to literary novels published in trade format.

At first, hardcover and paperback houses were separate entities, with the former selling reprint rights to the latter. But as the major hardcover houses began buying up paperback houses in the 1970s and 1980s, paperback publishing changed. Explains Wyatt, "That made it possible for agents to offer hard/soft deals," negotiating both the hardcover and paperback rights when a book is first published. Houses that did not have a paperback division of their own were at a disadvantage.


Selection Criteria for Paperbacks 1990

(rated on a scale from 1 – 6)

Source: Library Journal's Paperback Book Market Study

Such considerations prompted St. Martin's Press to launch its own mass market program six years ago. "When agents like Mort Janklow or Lynn Nesbit had a big book, they were selling them hard/soft," observes St. Martin's Richardson. "You had to be able to publish both the hardcover and the paperback. When you can't come up with the huge money independently, but must depend on the rest of the world to auction the rights to, you aren't in control of your own fate."

Certainly, not all books are published hard/soft, but "it is moving toward the predominant deal," notes Wyatt. Paperback houses not associated with hardcover emporiums can thereby suffer. "Paperback houses need to publish more and more originals because there are so many hard/soft houses now," explains Avon's Pecone. "They must create their own product for their audience because they can't buy it."

Confirms S. & S.'s Farley, "With more books being retained by publishers who know that among their various imprints they can find the right format for a work, fewer books are being sold on the reprint market. The competition for those books is fierce." Furthermore, though these publishers want to keep their own best titles, they don't want to be thought of as reprinting *only* their own books. So they look for a good mix of in-house and outside reprints, again upping the ante. "Combine a little ego and list building needs, and it can get quite pricey," notes Farley.

Aside from mixing in-house and outside titles, hard/soft publishers also want their paperback programs to mix original titles and reprints. "We do about a third originals, a third hard/soft buys, a third from other hardcover houses," notes Richardson, describing the ideal balance some publishers have difficulty finding in the tight reprint market.

Choosing a format

How does a publisher decide whether a book should be published as a mass market or trade paperback, in a simultaneous or a phased edition, with hardcover preceding the paperback? The answer is not clear-cut. Martha Levin, VP, Anchor Books, argues that "it comes instinctively from experience," but she is able to give some guidelines: "Certain books lend themselves to the paperback format given price point and subject matter."

Avon's Pecone elaborates: "You ask yourself, 'Can I sell X amount of this book in mass market?' " A popular romance would probably earn back its costs more successfully in that format than as a higher-priced trade paperback. But a book about an archaeological expedition to Africa would definitely do better in the latter format: "The audience for that book can bear the price, and the publisher can still profit with a sale of 15,000 copies, but it wouldn't sell in the ID market"—the market served by independent wholesalers who generally distribute mass market titles.

Evidently, a book's format is greatly influenced by its prospective readers. S. & S.'s Farley believes that in areas like business careers, self-help, and inspiration, coming out immediately with a trade paperback original is preferable to wasting time on a short hardcover run.

Levin finds that "biography is a hardcover market" and that "fiction is a very tough market right now in trade paperback as well as hardcover. We only do about ten percent fiction and try to cluster it," grouping, say, all multicultural titles in a single promotional pitch.

Most paperback publishers at hard/soft houses sit on editorial boards, helping to decide whether a prospect would best be published as, say, a hardcover title followed by a mass market paperback or as a trade paperback original. They might also conclude that a title belongs at another house altogether. "Every house has its own strengths," explains Richardson. "Before I sold to mass market, I never understood when people would say, 'We can't do it; it's a Berkley sort of book.' You just get a reputation because of your editors or sales staff, and you have credibility in that area."

St. Martin's is currently strong in true crime, and upscale business books show promise. Richardson also has confidence in its fiction list, arguing that "mass market is more entertainment-oriented, more commercial, and that means fiction to me." She predicts "a real move to quality" in the mass market arena as readers tire of indistinguishable commercial fare.

Simultaneous feats

Publishers who want to attract reviewer attention and get orders from places like libraries still demanding the sturdier binding are opting for the simultaneous edition, offering a limited hardcover print run along with the paperback. Explains Farley, "Though many significant books have been launched as paperback originals, there remains a bias in a segment of the book review community [against paperbacks] that makes it tougher to launch a book of substance in that format." The simultaneous edition overcomes that bias while essentially issuing the title as a trade paperback.

For the time being, publishers will likely assure recognition of their most treasured titles by continuing to launch major fiction, as well as serious works in areas like history, social science, and current affairs, as hardcovers. In many instances, however, hardcovers are making less and less economic sense.

"I have questions now about the efficacy of the hardcover edition," observes Farley. "Publishers can't afford to do hardcovers just for the reviewers, when the paperback is after all the dominant edition." But despite the effort to attract reviewers, S. & S.'s hardcover print runs for simultaneous editions are determined largely by prepublication orders from wholesalers serving libraries, which would lose out if simultaneous publications disappeared.

Pitching paperbacks to libraries

Publishers actively promoting paperbacks to libraries are definitely on the cutting edge. As Levin notes, "We think about it, but we are not yet sure how to do it effectively." Given current economic realities, many publishers should be eager to learn. Argues Farley, a strong advocate of paperbacks in libraries, "Many publishers don't yet recognize that sales can be had not only in bookstores. The current economic downturn should push them to look at every way that they can sell books and sell books cleanly. Library markets represent such a sale."

When Jean Terry came to St. Martin's as a sales representative nine months ago, she found addressing the library market "a natural transition." She had sold to a library rental program while managing a bookstore and become involved in her children's school libraries. Now coordinating paperback sales to library jobbers, Terry helps organize reading programs and keeps jobbers apprised of every new publicity angle.

Publishers that actively promote paperbacks to libraries are still on the cutting edge

Terry feels that, particularly with current federal budget cuts, paperbacks have a big future in libraries. "A lot of publishers are ignoring this," she observes. "The buyers who solicit libraries will tell you that. But we have wonderful things coming out I want to push. When other publishers recognize that they are missing out, we will be at the top."

Avon's Pecone, however, adds a note a caution to this new-found enthusiasm for promoting paperbacks to libraries:

> Good library sales don't justify a rush to publishing specifically for the library market. Many libraries demand reviews, which are often not available for paperbacks, whether reprint or original. When there is a choice, they still usually prefer to buy the hardcover. But with current budgetary restrictions, libraries are more and more predisposed to paperbacks, particularly in young adult and genre areas. The fact that I am at Avon [as director of sales and marketing to libraries, schools, and colleges] indicates their concern with the library market.

What do libraries want?

For paperback publishers wondering how best to exploit that market, the respondents to *LJ*'s survey had a host of answers that can be neatly summed up in two points: guarantee better-quality paper and binding and give as much advance notification as possible, particularly through reviews and advertisements in trade journals. In turn, librarians who are buying paperbacks should be aware that the format is ever-changing. This fall, for instance, Bantam is introducing a new paperback format. Faced with a crowded marketplace and even more crowded shelf space in bookstores and libraries, it has launched a trade paperback line slimmed down to a mass market format. The new format promises quality in production values and content but lower prices and a smaller trim size for easy display.

But is this new format really all that new? Pointing out that trim size has always varied for paperbacks, Ballantine's Wyatt advises:

> Take the old Vintage books. They were mass market size, but they were trade paperbacks, issued by a hardcover company and distributed along with the hardcovers. The paper in a trade paperback can be as bad as in some mass market books. The type in some mass markets could be even larger. Do trade paperbacks represent quality literature? Come on. You have Clyde Edgerton, Jon Hassler, Lee Smith in mass market. And though the mass market books are distributed through mass market sales departments, now we have our own trade paperback line distributed through the same group.

On the other hand, for some upscale trade paperbacks like oversized art books priced at $35, Farley envisions the use of 100-lb. paper, French folds, and flaps "both to prettify them and allow them to be presented like hardcovers." Even as librarians grapple with how best to purchase, display, and maintain paperbacks on their shelves, publishers are subtly redefining just what a paperback is. Whatever they decide, the paperback is here to stay in libraries. Not only is it an economical alternative in recessionary times, but it gives library patrons exactly what they want.

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OCTOBER 1, 1991

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Public Information Goes Corporate

Herbert I. Schiller, UC - San Diego

Online Searching: An Imprecise Art

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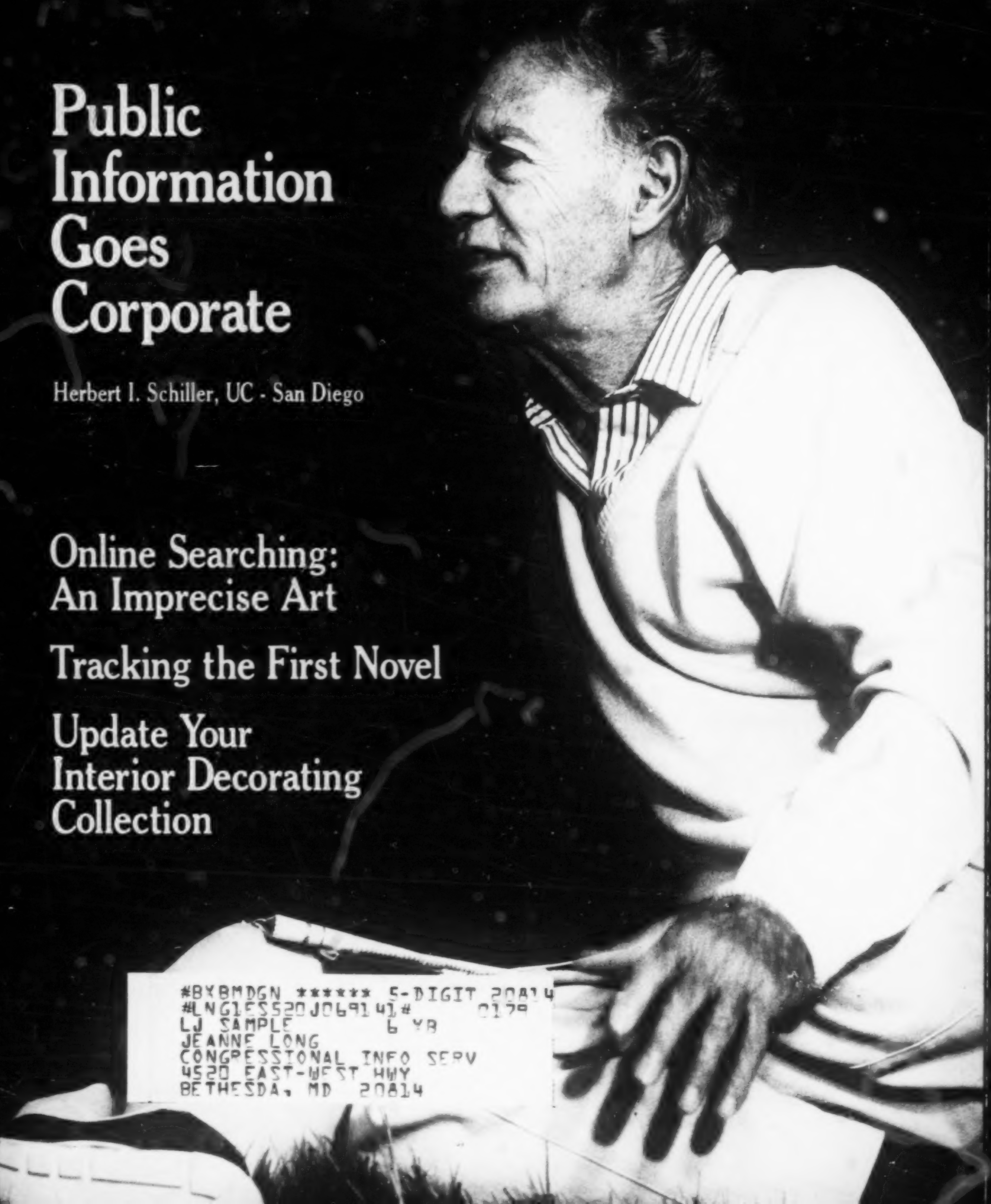

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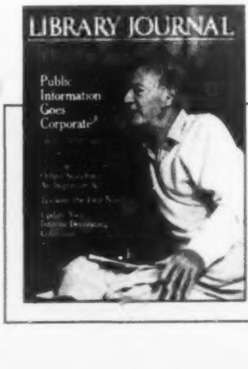

The University of California's Herbert Schiller views the changes in information collection as detriments to a democratic society. Who will respond to public needs if "Information Goes Corporate"? See his warnings on page 42.

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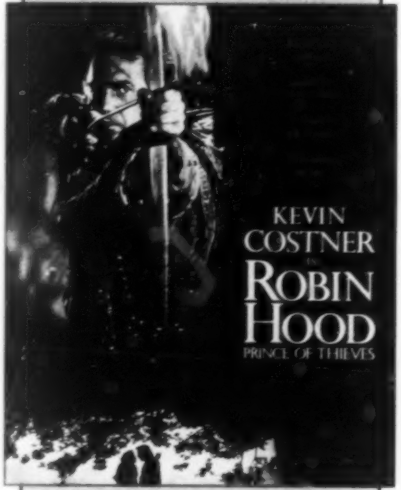

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Mary Brenner

Mapping the First

Compiled by Ann Burns,
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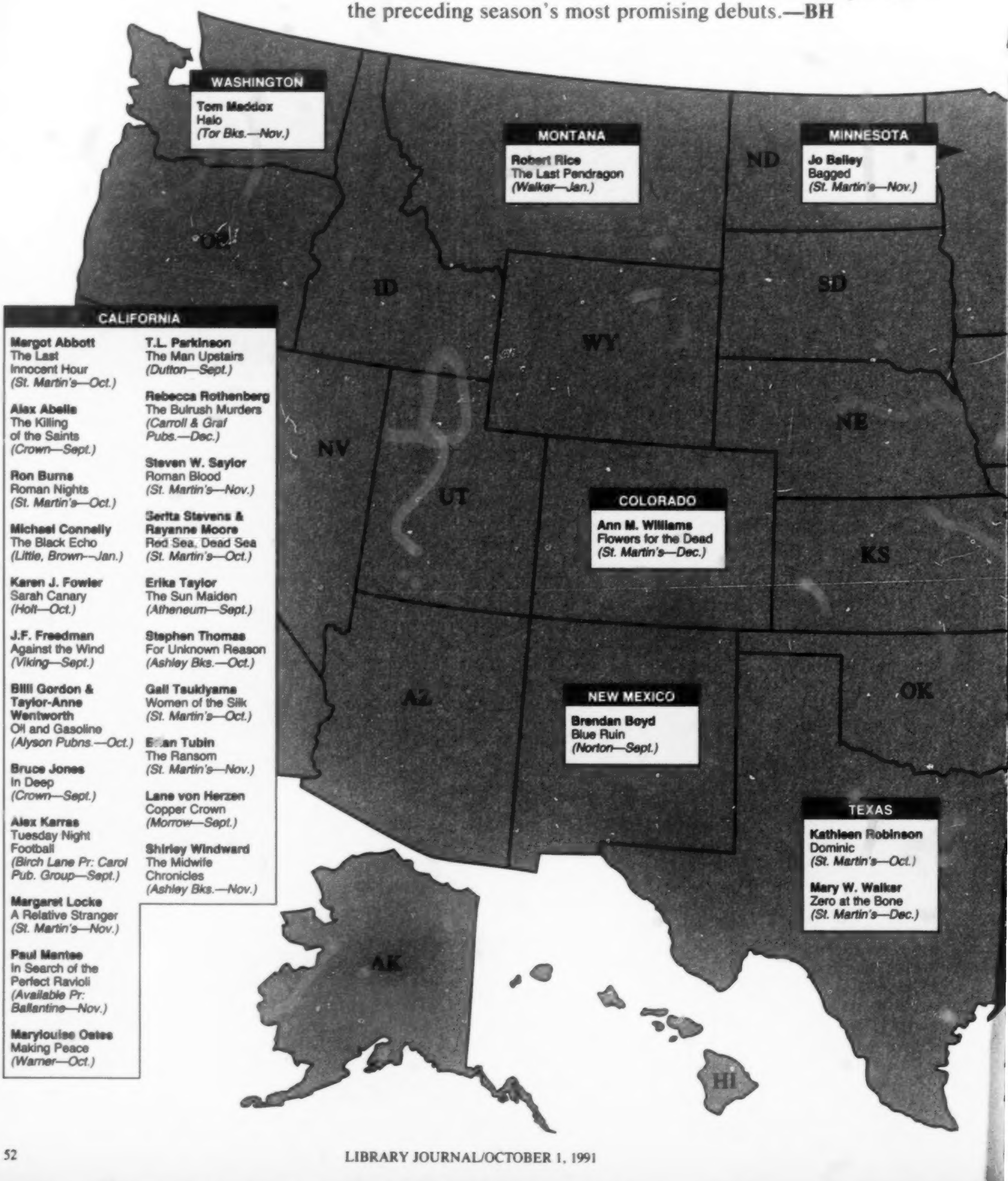


WASHINGTON

Tom Maddox
Halo
(Tor Bks.—Nov.)

MONTANA

Robert Rice
The Last Pendragon
(Walker—Jan.)

MINNESOTA

Jo Bailey
Bagged
(St. Martin's—Nov.)

CALIFORNIA

Margot Abbott
The Last Innocent Hour
(St. Martin's—Oct.)

Alex Abella
The Killing of the Saints
(Crown—Sept.)

Ron Burns
Roman Nights
(St. Martin's—Oct.)

Michael Connelly
The Black Echo
(Little, Brown—Jan.)

Karen J. Fowler
Sarah Canary
(Holt—Oct.)

J.F. Freedman
Against the Wind
(Viking—Sept.)

Billi Gordon & Taylor-Anne Wentworth
Oil and Gasoline
(Alyson Pubns.—Oct.)

Bruce Jones
In Deep
(Crown—Sept.)

Alex Karras
Tuesday Night Football
(Birch Lane Pr: Carol Pub. Group—Sept.)

Margaret Locke
A Relative Stranger
(St. Martin's—Nov.)

Paul Mantee
In Search of the Perfect Ravioli
(Available Pr: Ballantine—Nov.)

Marylouise Oates
Making Peace
(Warner—Oct.)

T.L. Parkinson
The Man Upstairs
(Dutton—Sept.)

Rebecca Rothenberg
The Bulrush Murders
(Carroll & Graf Pubs.—Dec.)

Steven W. Saylor
Roman Blood
(St. Martin's—Nov.)

Serita Stevens & Rayanne Moore
Red Sea, Dead Sea
(St. Martin's—Oct.)

Erika Taylor
The Sun Maiden
(Atheneum—Sept.)

Stephen Thomas
For Unknown Reason
(Ashley Bks.—Oct.)

Gail Tsukiyama
Women of the Silk
(St. Martin's—Oct.)

B[illegible]an Tubin
The Ransom
(St. Martin's—Nov.)

Lane von Herzen
Copper Crown
(Morrow—Sept.)

Shirley Windward
The Midwife Chronicles
(Ashley Bks.—Nov.)

COLORADO

Ann M. Williams
Flowers for the Dead
(St. Martin's—Dec.)

NEW MEXICO

Brendan Boyd
Blue Ruin
(Norton—Sept.)

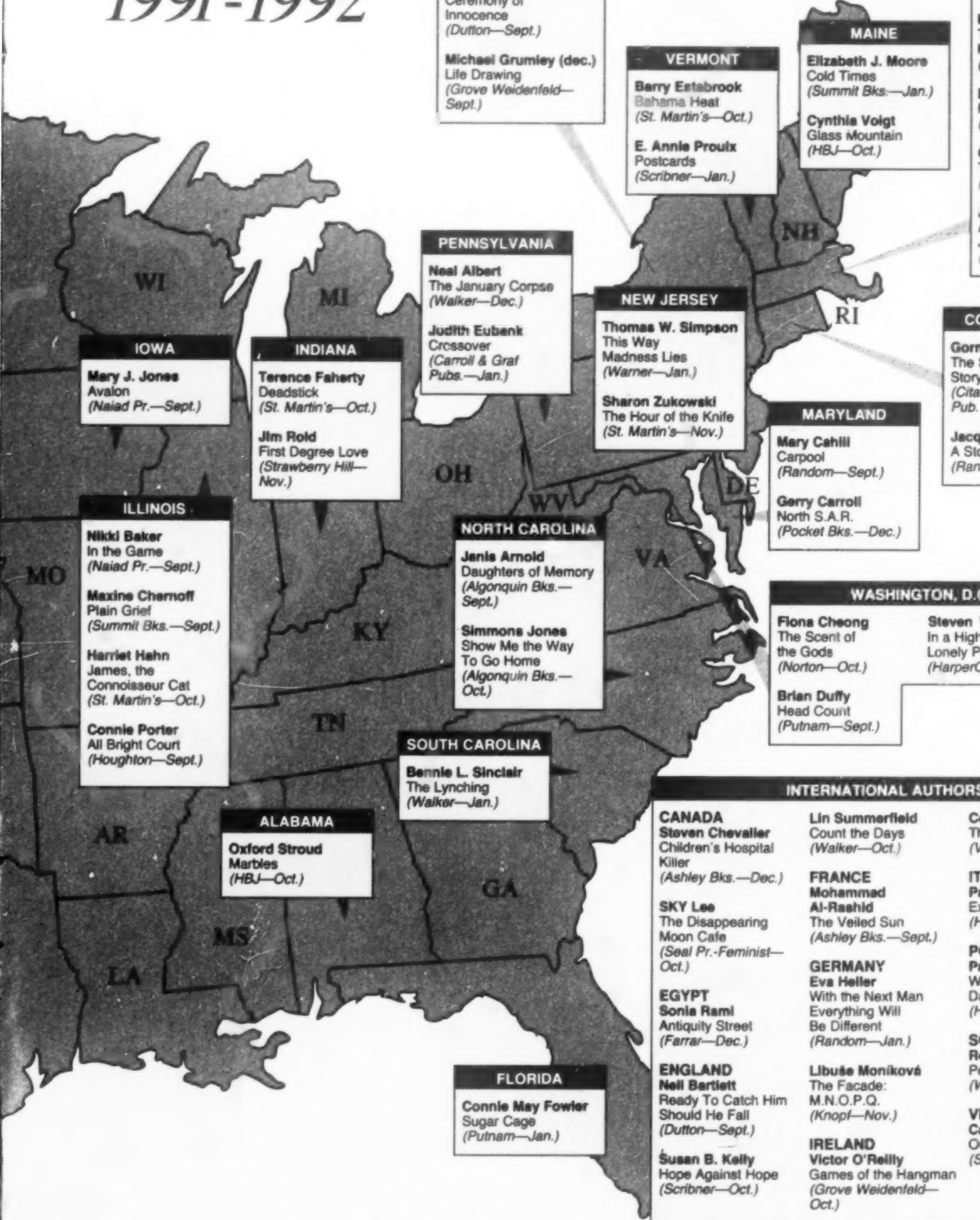
TEXAS

Kathleen Robinson
Dominic
(St. Martin's—Oct.)

Mary W. Walker
Zero at the Bone
(St. Martin's—Dec.)

Novel

Fall/Winter 1991-1992



NEW YORK

David Charnes
Party Till You Die
(St. Martin's—Oct.)

John Cooney
Acts of Contrition
(Crown—Sept.)

Donald Dewey
Reasonable Doubts
(St. Martin's—Oct.)

Missy D'Urberville
Today Is Another Tomorrow
(St. Martin's—Sept.)

Daranna Gidel
Ceremony of Innocence
(Dutton—Sept.)

Michael Grumley (dec.)
Life Drawing
(Grove Weidenfeld—Sept.)

Peter Hedges
What's Eating Gilbert Grape
(Poseidon Pr: S. & S.—Sept.)

Allen Kurzweil
A Case of Curiosities
(HBJ—Jan.)

Soledad Santiago
Room 9
(Perfect Crime: Doubleday—Jan.)

Antonia H. Schwed
Noah and Me
(Evans—Oct.)

William Tester
Darling
(Knopf—Jan.)

Sam Toperoff
Queen of Desire
(HarperCollins—Jan.)

Avra Wing
Angie, I Says
(Warner—Sept.)

VERMONT

Barry Estabrook
Bahama Heat
(St. Martin's—Oct.)

E. Annie Proulx
Postcards
(Scribner—Jan.)

MAINE

Elizabeth J. Moore
Cold Times
(Summit Bks.—Jan.)

Cynthia Voigt
Glass Mountain
(HBJ—Oct.)

MASSACHUSETTS

Francisco Clemente
Long Night of the White Chickens
(Atlantic Monthly—Dec.)

Jeff Danziger
Rising Like the Tucson
(Doubleday—Sept.)

Marcie Hershman
Tales of the Master Race
(HarperCollins—Nov.)

Leslie Meier
Mail-Order Murder
(Viking—Dec.)

George Packer
The Half Man
(Random—Sept.)

Joel Stone
A Town Called Jericho
(Donald I. Fine—Jan.)

PENNSYLVANIA

Neal Albert
The January Corpse
(Walker—Dec.)

Judith Eubank
Crossover
(Carroll & Graf Pubs.—Jan.)

NEW JERSEY

Thomas W. Simpson
This Way Madness Lies
(Warner—Jan.)

Sharon Zukowski
The Hour of the Knife
(St. Martin's—Nov.)

CONNECTICUT

Gorman Bechard
The Second Greatest Story Ever Told
(Citadel Pr: Carol Pub. Group—Nov.)

Jacquelyn Holt Park
A Stone Gone Mad
(Random—Oct.)

IOWA

Mary J. Jones
Avalon
(Naiad Pr.—Sept.)

INDIANA

Terence Faherty
Deadstick
(St. Martin's—Oct.)

Jim Reid
First Degree Love
(Strawberry Hill—Nov.)

ILLINOIS

Nikki Baker
In the Game
(Naiad Pr.—Sept.)

Maxine Chernoff
Plain Grief
(Summit Bks.—Sept.)

Harriet Hahn
James, the Connoisseur Cat
(St. Martin's—Oct.)

Connie Porter
All Bright Court
(Houghton—Sept.)

MARYLAND

Mary Cahill
Carpool
(Random—Sept.)

Gerry Carroll
North S.A.R.
(Pocket Bks.—Dec.)

NORTH CAROLINA

Janis Arnold
Daughters of Memory
(Algonquin Bks.—Sept.)

Simmons Jones
Show Me the Way To Go Home
(Algonquin Bks.—Oct.)

WASHINGTON, D.C.

Fiona Cheong
The Scent of the Gods
(Norton—Oct.)

Brian Duffy
Head Count
(Putnam—Sept.)

Steven Volen
In a High and Lonely Place
(HarperCollins—Jan.)

SOUTH CAROLINA

Bennie L. Sinclair
The Lynching
(Walker—Jan.)

ALABAMA

Oxford Stroud
Marbles
(HBJ—Oct.)

FLORIDA

Connie May Fowler
Sugar Cage
(Putnam—Jan.)

INTERNATIONAL AUTHORS

CANADA
Steven Chevalier
Children's Hospital Killer
(Ashley Bks.—Dec.)

SKY Lee
The Disappearing Moon Cafe
(Seal Pr.-Feminist—Oct.)

EGYPT
Sonia Rami
Antiquity Street
(Farrar—Dec.)

ENGLAND
Neil Bartlett
Ready To Catch Him Should He Fall
(Dutton—Sept.)

Susan B. Kelly
Hope Against Hope
(Scribner—Oct.)

Lin Summerfield
Count the Days
(Walker—Oct.)

FRANCE
Mohammad Al-Rashid
The Veiled Sun
(Ashley Bks.—Sept.)

GERMANY
Eva Heller
With the Next Man Everything Will Be Different
(Random—Jan.)

Libuše Moníková
The Facade: M.N.O.P.Q.
(Knopf—Nov.)

IRELAND
Victor O'Reilly
Games of the Hangman
(Grove Weidenfeld—Oct.)

Colm Tolbin
The South
(Viking—Sept.)

ITALY
Paul Gervais
Extraordinary People
(HarperCollins—Nov.)

POLAND
Pawel Huelle
Who Was David Weiser?
(HBJ—Jan.)

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Robert J. Perchan
Perchan's Chorea
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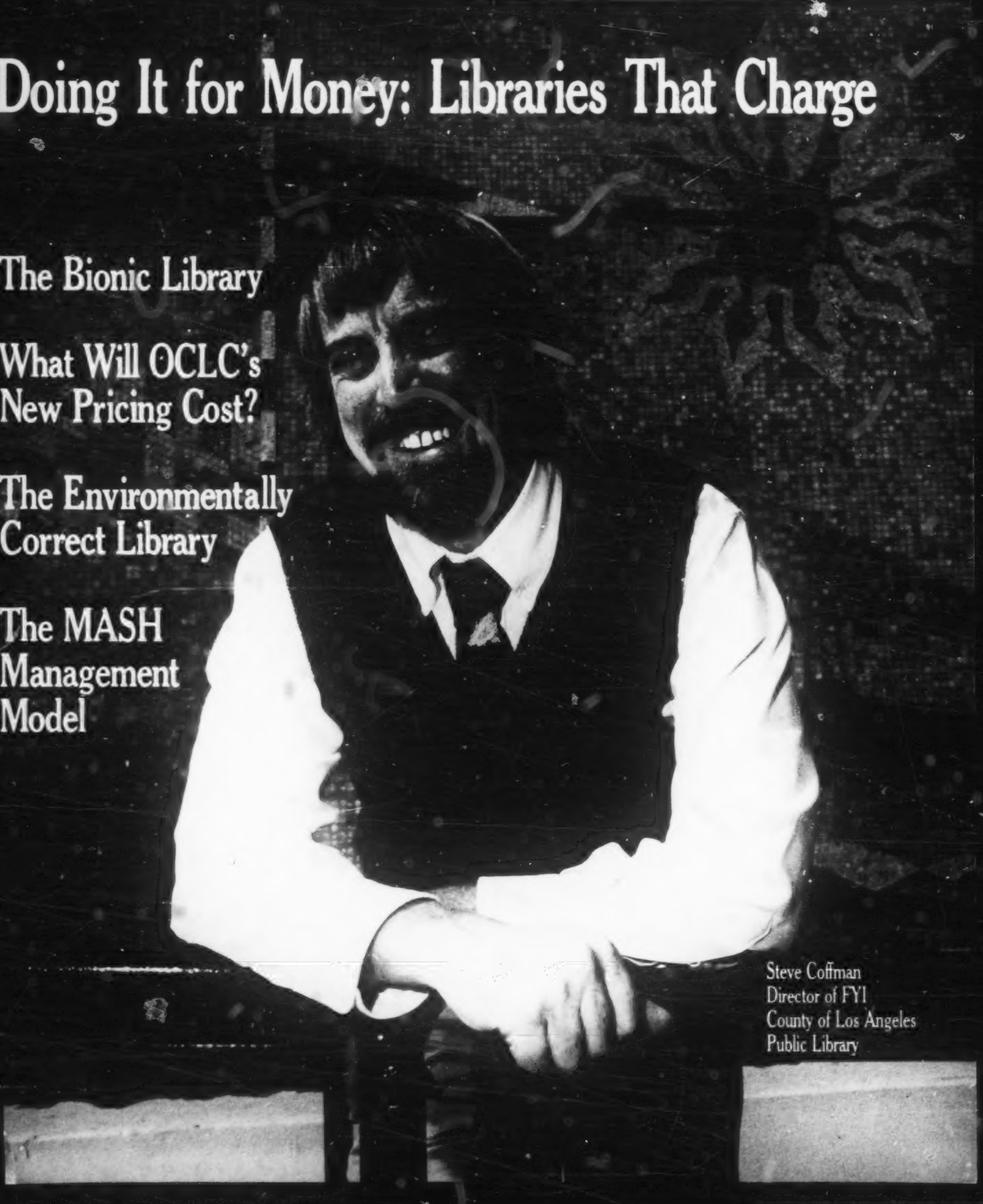
Doing It for Money: Libraries That Charge



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LIBRARY

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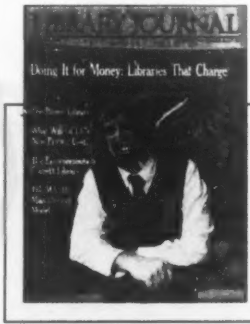

Steve Coffman, along with coauthor Helen Josephine, sees charging fees as a means of expanding the range and type of services offered to patrons. Still, should libraries be "Doing It for Money"? See page 32.

PHOTOGRAPH BY HERMAN KOKOJAN

October 15, 1991

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☐NEWS☐

BY JUDY QUINN & MICHAEL ROGERS

Study Shows Hospital Libraries Save Lives

Ammunition in the fight to reinstate required medical libraries, the survey shows library information was often the key to proper diagnosis and treatment

In 1986, the U.S. federal government eliminated the regulation that required that hospitals maintain a medical library to be eligible for Medicare and Medicaid funding. When a cost-cutting representative of New York's Department of Health recently demanded proof of the value of hospital libraries, New York hospital librarians went out and got it.

Working with Rochester-area medical librarians, Joanne G. Marshall from the University of Toronto's Faculty of Library and Information Sciences surveyed 208 physicians at 15 hospitals in the five-county Rochester region. The results: 80 percent said information provided by medical libraries led them to handle some aspect of the care of their patients differently than they would have otherwise.

Surprising to Marshall was the high percentage—19 percent—who said that library information contributed to their ability to avoid patient mortality. In other words, libraries save lives.

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Impact of Hospital Library Information on Clinical Decision Making

(Changes Reported by Physicians)

	Physicians, %			
Changes	All (208)	Residents (52)	Rural (43)	Urban (113)
Handled situation differently	80.4	88.5	86.0	71.7
Changed diagnosis	29.3	38.5	14.0	31.0
Changed tests	50.5	59.6	55.8	44.2
Changed drugs	45.2	42.3	48.8	45.1
Reduced length of stay	19.2	25.0	18.6	16.8
Changed advice to patients	71.6	73.1	65.1	73.5
Avoided hospital admisssion	11.5	7.7	14.0	12.4
Avoided patient mortality	19.2	28.8	14.0	16.8
Avoided hospital-acquired infection	8.2	15.4	7.0	5.3
Avoided surgery	21.2	30.8	16.3	18.6
Avoided additional tests and/or procedures	49.0	67.3	37.2	45.1

JAMA takes note

Marshall and her colleagues scored the coup of publishing their findings in the September 4, 1991 letters column of the prestigious *Journal of the American Medical Association* (*JAMA*), the first step on the way to publicizing the need to reinstate the federal regulation. Marshall, along with Robert J. Joynt, an M.D. at the University of Rochester Medical Center, and Lucretia W. McClure, from the Edward G. Miner Library, University of Rochester School of Medicine and Dentistry and past-president of the Medical Library Association, claimed "the purpose of our letter is twofold: to alert physicians to the continuing threat to hospital library services posed by regulatory changes and to present some new evidence about the nature and extent of the library's contribution to patient care." They also revealed more surprising data: that the surveyed physicians rated library information services higher than other information sources such as diagnostic imaging, laboratory tests, and discussions with colleagues. Data were also broken down by type of physician surveyed: active physicians in urban hospitals; residents in urban hospitals; and rural physicians served by a circuit librarians program. (For an outline of the survey results, see chart above.)

A local lobby grows

The Rochester-area librarians are also actively promoting the data: the Rochester Public Library recently sponsored a talk by obstetrician G. Theodore Ruckert, who described how his hospital library helped uncover a rare catastrophic complication of pregnancy so unusual most obstetricians will never encounter it in their careers. Library research helped discover this rarity and its treatment.

Marshall has just been given a grant by the Special Libraries Association to study corporate CEOs' perception of corporate library service. She's hoping this survey will reveal similarly high marks for value and quality of library information. ☐

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